



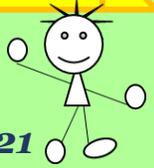
THE REVIEW

ECO ENVIRONMENT

To Live Your Life!
To Live for Those
Lives In the Future



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SAVING OUR GLOBAL WARMING PLANET WITH THE WORLD!

*Let's Help Plant for O₂ Oxygen!
Keep the Circle of Life That
Started in
H₂O Water!*

We really walk among and with the clouds upon the earth. In the five layers of the atmosphere with the Troposphere nearest to the ground we walk. We walk in cloud formation. The clouds are formed within the same layer as we walk. That's the layer that contains the most O₂ oxygen for human and non-human habitats that contains life on earth. It was not a pistol that shot off in the air that scientists called "The Big Bang Theory." The Big Bang Theory is an educated guess by scientists of how the earth and solar system was formed. Scientists reviewed the facts of exploding stars that were observed from earth and interpreted those facts but does not include 100 percent of the facts of accuracy; meaning since facts are missing, scientists present a logical pattern of thought based on the present facts called an educated guess or called a theory to present to the world what they think happened that created the earth and solar systems. (...go to page 2 The Five Major Layers Of The Atmosphere To Answer The Questions...)

Earth's Geological Time

Table Fact:

The Earth's Geological Time table is explained to start with 4 Major Categories with subcategories that have on going subcategories within each subcategory.

To Start 4 Major Categories are Eon that has subcategories called Era then subcategories called Periods then subcategories called Epoch, etc. 📖

*The Environmental Time Era Of Humans
That Walk Over The Extinction Of
Dinosaurs. Past The Extinction.
To Live For The Future.*

**NASA & German Scientists
Predict How Future
Uncontrolled Forest Fires
Will Spread to Defeat Them?**



Its HOT! TOO HOT!! With temperatures of 800° C (1,472 °F) and flames reach 1 metre(s) in height (that's 3 feet and 3 inches per 1 metre) on an average forest floor; with extreme conditions a fire can give off 10,000 kilowatts plus per metre of fire front (meaning flame heights of 50 metres or more and temperatures exceeding 1200 C (2,192° F). A nice warm day for wearing short is around 75°F and sweating hot around 90°F (32°C) to 107°F (41°C) **Fact: Wood will burst into flame at 572°F.**

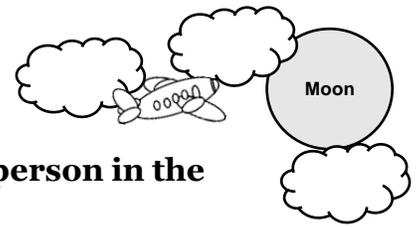
In review, by the end of a year, 31 Died, March 22nd it was declared a state of emergency, unusual dryness from the months of January and February, one of the driest such periods of any calendar year on record, due to a mass die-off of trees throughout the state, potential increase risk of wildfires, potential climate change may increase the temperature of wildfires, the risk for drought, and potential increase of natural forest fires in increased frequency.

The year ended with the end year results for 2020 with a record-setting year of wildfires, 9,639 fires burned, 4,397,809 acres, burned more than 4% of the state's plus 100 million acres of land, largest wildfire season recorded in the states modern history in the state of California according to the California Department of Forestry and Fire Protection.

The moon's not on fire and very, very far from being warm. Their working on earth and the moon, but not with forest fires on the moon is the National Aeronautics and Space Administration (NASA) United States. Their working on forest fire Prevention on the earth's ground. High technical knowledge, data and the satellite equipment was in demand of the needed assistance of how to deal with a very, very, hot problem that consumes plants of the forests on the earth! (...go to page 3 column 2 to continue...)

(continued from page 1 column 1 entitled SAVING OUR GLOBAL WARMING PLANET WITH THE WORLD Let's Help Plant for O2 Oxygen! Keep the Circle of Life That Started in H2O Water Continued...

Questions on Five Layers Of The Atmosphere Take An Educated Guess

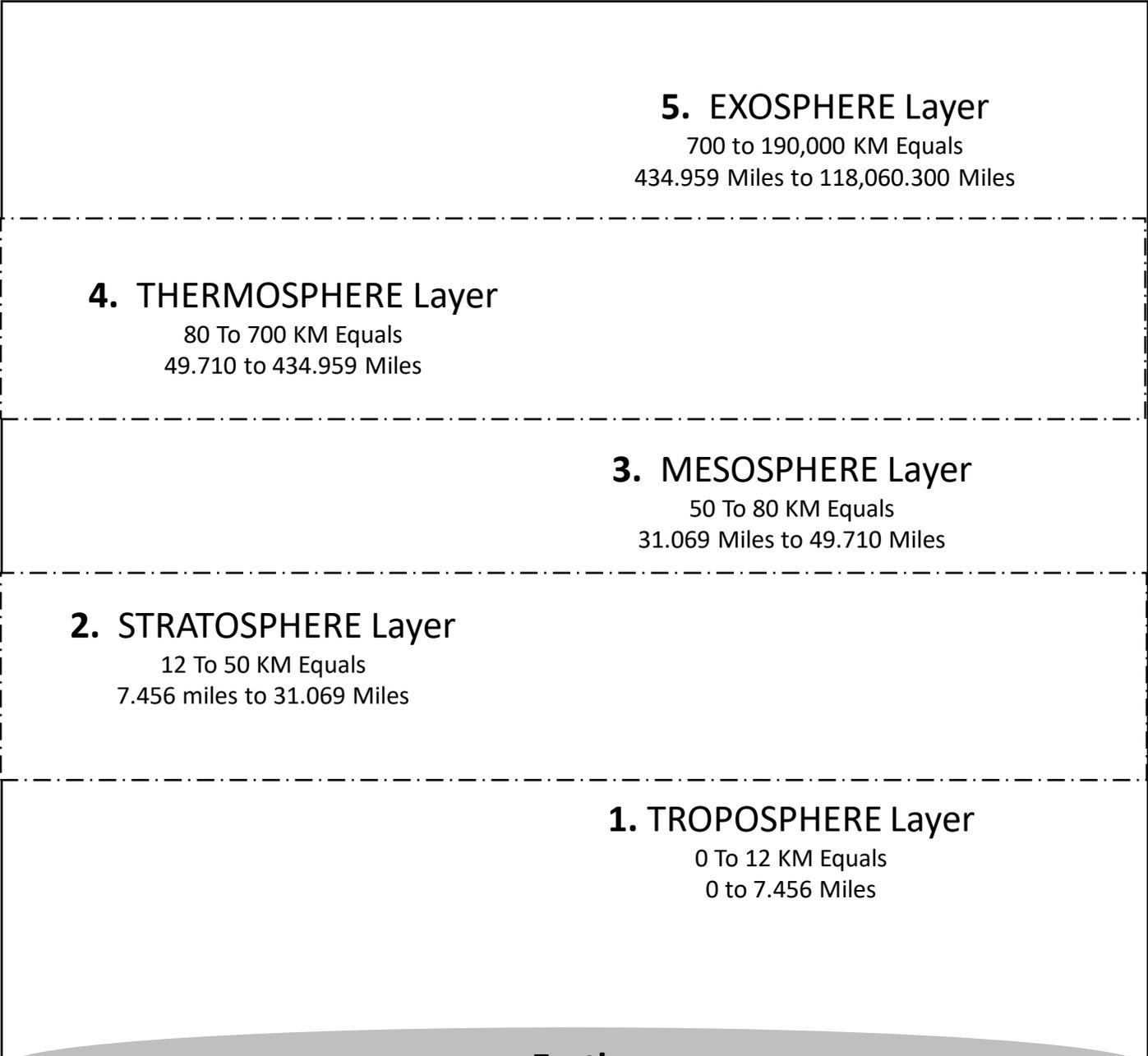


- 1. Take an educated guess and draw a cloud, airplane and person in the layer of the atmosphere that they belong on earth.
2. In what layers is the ozone layer between, draw or color a line between the atmosphere layer or layers.
3. Hint: The OZON LAYER is 20 To 30 KM OR 12.427 to 18.641 Miles from the earth's surface. FACT: Earth to Moon is approximately 384,400 km OR 238,900 miles.



Answers page 13

(article...go to page 3 column 1 to continue...)



Earth

(continued from page 1 column 1 entitled SAVING OUR GLOBAL WARMING PLANET WITH THE WORLD! Let's Help Plant for O2 Oxygen! Keep the Circle of Life That Started in H2O Water Continued...

Earth's New Transitional Phase To Our New World Habitat! Surviving Global Warming

Geology? Is the study of rocks in science. **Why do we study rocks?** Geologists studying the rocks get to tell the world a story about the earth through the study of fossilized remains and imprints. When the earth was approximately formed, when life possibly began and ended and why life ended, that maybe, due to atmospheric conditions that changed for new life to begin. It gives us a look into the past and gives humans help in our survival into the future.

Look, Read, Remember! The formation of Earth is approximately 4,000 million years ago. The scientists studying the earth in rock formation of geology put together a geological time table that's categorized; meaning they put in order for us to understand when events of time happened to present day life of what past life was about, what became extinct and the living that survived. Geologists, scientists that study rocks, named four 'Eon' (s) in their study of the earth in rock formation.

What's an Eon in time for geology? In the four major time slots in the formation of the Earth, one time major time slot is called an 'Eon'. Let's review in the time line of Earth, from present day going backward in time the following four Eon (s) starting from present day life in which we walk the Earth:

- I. Phanerozoic Eon– multi cellular life – up to present day
- II. Proterozoic Eon – single cell organisms consume carbon and through the process of photosynthesis generates and releases oxygen into the atmosphere- also, other gases are produced and released.
- III. Archean Eon– cooling of the earth for life to begin
- IV. Hadean Eon– formation of the earth red hot- note to remember space is very, very cold so the surface begins to cool and not the middle of the earth.

(...go to page 4 column 1 to continue...)

(continued from page 1 column 2 entitled NASA & German Scientist Predict How Future Forest Fires Will Spread to Defeat Them)

The advanced knowledge of intellects (scientists) to stop the spread of forest fires is being tested with equipment, developed software, hardware satellite of a gravitational no gravity earth-bound earth but in gravitational pull circling around in space around the earth- not the moon yet!!! The National Aeronautics and Space Administration (NASA) United States continued the exploration of the frontier of the uncontrolled forest fire. An uncontrolled forest fire are the fires that started naturally by nature due to very dry weather with little rain that became the drought that caused dead-plant foliage. Forest fires that were started by a human without professional authorization may find themselves in jail due to putting humans and animals in danger of being harmed.

A controlled fire is a fire that was ignited by responsible humans that had experience with fires and could stop the fire from spreading out of control. Forest rangers, town officials, emergency fire department employees and volunteers use controlled fires at times to stop uncontrolled fires and forest fires. A controlled fire is set to burn from the opposite direction of a fire spread. Meaning if the uncontrolled fire moved North due to the winds, professionals stop the uncontrolled fire with a *contained* controlled fire burn in an area North of the uncontrolled fire. The *uncontrolled fire* that moved North toward the *contained controlled fire*, set by professionals, burn into each other both ran out of fuel put out the fire- no fuel no fire. The fire department, forest rangers, town officials and emergency department employees and volunteers use a combination of controlled fire burns, plane, helicopter chemical jell drops on the forest fire with a prayer for down pour of rain without lightening.

It was 2,000 acres of forest, under a grant that allowed the county to study the relation between fire and vegetation to use a prescribed forest burn, with federal government approval near Manning, Utah's Fishlake National Forest. A new hand-held Lidar Model WRF-SFIRE machine developed by the intellects of German Scientists tested their high technical knowledge for future knowledge with the use of new updated knowledge was tested. Along with intellects Jan Mandel, Adam Kochanski of the University of Utah and Kyle Hilburn, NASA and US Forest Service. (.continued on page 4 column 2...)

(continued from page 3 column 1 entitled Earth's New Transitional Phase To Our New World Habitat! Surviving Global Warming Continued...)

Then each of those Eons are subdivided into smaller groups of time called Era. ***So, what's an Era in time for Earth's new transitional phases to our new world habitat in surviving global warming?*** See if you can answer that question by following along below to fill in the space for your answer at the end of the column. By reading below, the **subcategories of Era** in time of each of the **4 Major Eon groups of time**.

I. Phanerozoic Eon – A diverse abundance of multicellular life started with the appearance of hard animal shells in fossil record survived to present day. Has 3 time Era(s)

1. **Cenozoic Era**– New Life and Recent Life up to today Life.
2. **Mesozoic Era** – Middle Life - Age of reptiles and Age of Conifers (Dinosaurs) Drastic climate change the extinction of the dinosaurs
3. **Paleozoic Era**– Old life

II. Proterozoic Eon– Single-cell organisms start to consume carbon and began photosynthesizing that began to generated oxygen in the atmosphere. Has 3 time Era(s)

1. **Neoproterozoic Era**– during part of this time line inter glaciation temperatures occur.
2. **Mesoproterozoic Era**
3. **Paleoproterozoic Era**

III. Archean Eon–Earth was cooled enough for continents and the earliest life to emerge for about 2.5 billion years. Has 4 time Era (s)

1. **Neoaarchean Era**
2. **Mesoarchean Era**
3. **Paleoaarchean Era**
4. **Eoaarchean Era**

IV. Hadean Eon–The formation of red hot Earth that lasted over 600 million years until the earliest life emerges. (No Official Divided into Era(s))

So, what's an Era in time for Earth's new transitional phases to our new world habitat in surviving global warming? (answer top of page 5)

(...go to page 5 column 1 to continue...)

(continued from page 3 column 2 entitled NASA & German Scientist Predict How Future Forest Fires Will Spread to Defeat Them)

The focus of the Model WRF-SFIRE tested was to predict fire and plume¹ behavior that included the ladder fuel² in computer sequencing to get data for a validate prediction once a forest fire been detected where the fire would move in direction.

Predictions *que emergency first responders* to deploy resources that include first responders prescribed controlled contained burns, and where helicopters of man-made jells need to be dropped to prevent the further spread of forest fires once detected.

The day intellects took their places near Manning, Utah's Fishlake National Forest on the 2,000 acres of forest and started the permissioned controlled forest fire burn with high winds and abundant fuel for a good forest fire burn, their safety was not guaranteed. They followed beside the burn on foot until they were advised to evacuate when the controlled fire turned into a full blazing forest fire in front of them. Recorded on file that day, the Model WRF-SFIRE recorded winds and cross winds with the assistance of NASA in observation of the satellite used lidar software and the hardware equipment recognized the direction the forest fire burn with the use of, relay an response¹, to and from, the satellite that sent back to the hand held computer model WRF-SFIRE imaging of the forest fire. Software of the hand-held model checked for the density of live and dead foliage, that contained the right amount of dryness, thickness for a fire fed hunger of what burned first included the ladder fuel-defined in reference to a forest fire ground based fire primarily burned up through vegetation communities an got into the crowns of trees. A fire that burned in the eco system. Could of led to a very high sever wild fire. Other factors and the plume behavior, already mention were included for the prediction of the direction of the burn.

The imaging of the lidar that used satellite imaging used light pulsating, very tiny pulses not felt by human, like an x-ray but better, examines all the way down to the cellular level relaying a response of imaging back to the computer for 3-dimensional pictures right in front of them that can be viewed all the way down to the cellular level on the computer screen. That day, knowledge of the intellects tested themselves for accuracy to assist to keep life safe from forest fires was tested in the advancement of amazing imaging programed on another computer in a logical pattern to find accuracy for prediction of (...go to page 10 column 2 to continue...)

(continued from page 4 column 1 entitled Earth's New Transitional Phase To Our New World Habitat! Surviving Global Warming Continued...)

Answer to **So, what's an Era in time for Earth's new transitional phases to our new world habitat in surviving global warming**
The present day in Era time for our new world habitat in surviving is the first one listed called the Cenozoic Era. This is the Era in time that we presently live in with some animals that have already went extinct.

Lets continue to discuss the timeline. A drastic climate, atmospheric gases and geology of the earth changed with each time of era in millions of years. But each time Era ended with drastic changes where many animals did not survive and extinction of many animals and plants happened- this included the middle **Mesozoic Era** under the **Phanerozoic Eon**. The Mesozoic Era had 3 subcategories under that time category that include the three time periods of the dinosaurs that lived and walked the earth. BUT many of the smaller animals and one-cell organisms did survive depending on location on the Earth at the end of each time Era.

We are reaching a new time Era in the present day Cenozoic Era under the Phanerozoic Eon with the drastic climate changes that are ahead in the future. What's causing global warming?

The temperature rises over the years are due to the increase of atmospheric gases that attract heat with over **90% of the gases being carbon based** or known as carbon dioxide. Carbon is found in the air, water and soil. Take note that the *main source for plants to consume and to thrive is on healthy carbon. A large portion of carbon needs to be removed from the atmosphere nearly half by 2030 and a target of zero carbon in the atmospheric gases by 2050 to save our planet from cities disappearing from rising coastlines.*

Big Major Problem Not enough plants. Plants consume carbon, carbon dioxide, and through the process of photosynthesis generates and emits oxygen into the atmosphere. Plants on land and in the ocean consume carbon to release oxygen into the atmosphere. There is also a **shortage in the ocean of a small animal plant called phytoplankton**. A microscopic plant that grew into a plant called Plankton. Plankton consumes carbon dioxide and releases a gas called O₂ Oxygen in the water and air through the process of photosynthesis.

Ocean plankton also helps with cloud formation in the process of evaporation. **Carbon attracts heat from the sun**, to much carbon in the atmosphere increases the energy of the atmosphere warming the atmosphere. The loss of plankton is due the extreme heat, an unknown factor (that may include volcanic activity on ground- not the ocean bottom) and a factor of the release of bad emissions through air pollution that include industrial and methane gases released- garbage from present day to ice berg releases of dinosaur poop methane gases. **Go to page 6 review and fill answer the Questions and return...**

Working Together As A World We Can Survive! The World Has Started The INITIATIVE With 17 Countries And 17 Cities Worldwide! We Need Everybody To Participate This Time!

Facts: (write in answer)

1. Ice bergs melting at an exceeded rate of global warming due to an over abundance of **c** _____ in the **w** _____, **a** _____ and **s** _____.
2. Human and Animal Habitats are at risk of being **l** _____. Not just the cold weather animals such as polar bears, seals and penguins and humans that live in the artic cold areas. Coast lines of many countries, human homes are built near, beaches may loose homes, including cities, to the ocean water rising making new coast lines. New Coast lines putting more of the coast into the ocean due to water rising.
3. Many more animals are at risk of being put on the **e** _____ list of loosing their habitats and their food sources including humans. Not all Zoos are a source to keep and preserve their habitats in artificial man made habitats.
4. We are planting to breathe in **o** _____ to keep us alive and **c** _____ off the atmosphere.

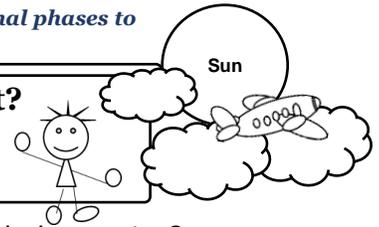
(Answers page 15)

(continued from page 5 column 2 entitled So, what's an Era in time for Earth's new transitional phases to our new world habitat in surviving global warming continued...

Dying Planet Or New Transitional Environment?

Phanerozoic Eon

Environmental Era in Time Why We Need To Plant?



- Climate Change: 1. What is main atmospheric gas atom(s) that is causing the Global Warming?
2. The atmospheric gas atom of % percentage that is causing Global Warming needs to be cut down by by 2030 .
3. Does animal life survive drastic climate changes?
4. With the Earth's planet's atmospheric environment changing are we entering a new Environmental Time Era according to the below chart?
5. If we do our part in planting life will it save our planet?

EARTH'S SURFACE Look What We Are Walking Over That's Buried Underground

Answers page 14

BURIED UNDERGROUND

3. CENOZOIC ERA EARTH'S ENVIROMENT

Buried In The Ground Nearest The Surface

Time Periods: 65 Million Years Ago

Quaternary

Recent Pleistocene

Life that appeared that lives today that survived: Mammals, Humans, Birds, Fishes, Amphibians Reptiles, etc. (new and old species)

Tertiary

Drastic Climate Changes

Pliocene

Caused Extinction

Miocene

For Some Animals

Oligocene

Eocene

Paleocene

BURIED UNDERGROUND

2. MESOZOIC ERA EARTH'S ENVIRONMENT

Buried In The Middle between the Nearest to Lowest In the Surface

Time Periods: 225 Million Years Ago

Life today that survived: Fishes, Amphibians Reptiles etc.

Drastic Climate Changes

Dinosaurs Lived and Died Became Extinct

Cretaceous

Caused Extinction

Jurassic

For Very Large Animals

Triassic

BURIED UNDERGROUND

1. PALEOZOIC ERA EARTH'S ENVIRONMENT

Buried In The Ground The Lowest From The Surface

Time Periods: 570 Million Years Ago

Life today that survived:

Microscopic Organisms

Phytoplankton, Plankton

Fishes, Amphibians Reptiles etc.

The first signs of life happened here. plant life, micro-organisms, fishes, amphibians and reptiles appeared

Permian

Pennsylvanian

Mississippian

Devonian

Silurian

Ordovician

Cambrian

Drastic Climate Changes

Caused Extinction

For Some Animals

(continued from page 5 column 2 entitled Working Together As World We Can Survive! The World Has Started the INIATIVE with 17 Countries and 17 Cities Worldwide! We Need Everybody To Participate This Time! continued...)

‘17 Countries WORLDWIDE PARTICIPATING To Reduce the 90% Carbon in the atmosphere by ½ by 2030’ These 17 countries have enacted laws, proposed legislations or framed policies to achieve net zero carbon emissions by 2050.’

-Dr. Macaren Carden –EarthWatch Europe, slides in video webinar, ‘Nature-based solutions for carbon storage’, November 4, 2020, slide source: Energy & Climate Intelligence Unit 2019

The world has started to join together on a mission initiative to plant plants that are eco friendly to withstand the warming earth temperatures ahead to achieve the world projected goal to save our habitat planet earth in reducing carbon and increasing oxygen into the atmosphere. The start of first hand information about our planet earth maybe viewed through EarthWatch Europe in a 4 series webinar recorded events from November 4, 11, 18, 25, 2020 that starts with ‘Nature-based solutions for carbon storage’. <https://earthwatch.org.uk/get-involved/events> **So, why so much talk about carbon when we need to replace the carbon in the atmosphere with oxygen?**

Healthy carbon is the main source of food for plants that use carbon in the process of photosynthesis to produce oxygen into the atmosphere. During the first of four in a series on carbon, the webinar gives you the first hand information in technical terms why global warming and healthy carbon is important to the earth. The carbon that we need to feed plants, healthy plants so that we can help nature produce the healthy atmospheric gas of oxygen to replace the 90% carbon in the atmosphere by 2030 and have zero carbon in the atmosphere by 2050 to save our planet. If we achieve our goal, we may even save an ice berg or two realistically we hope to save more. Time to cool the atmosphere to keep our planet. Our habitat for the love for pure oxygen for animal habitats to survive that include us, in the circle of life: carbon, plants eat carbon, plants intake of sunlight & water, plant separates the water into Hydrogen and oxygen called Photosynthesis, oxygen goes into the atmosphere, the Hydrogen mixed with carbon becomes the sugar for the plant to eat.

The Initiative of the Mission has started with 17 countries. Read and review the 17 countries that agreed to participate in a worldwide effort of saving (...go to the next column right at the top on this page 7)

our habitats. Then look onto see the 17 cities worldwide that has started the participation of carbon solutions. Countries and cities participate first by planting to create oxygen. Plants need healthy carbon to consume for so it can make the sugar needed to eat to give off the oxygen we need. Healthy carbon means healthy plants. Roof tops of buildings with plants planted and some with tress are already emerging worldwide include two major cities, London in Great Britain, Chicago, Illinois, USA (see pictures on page 10).

Fact Column:

17 COUNTRIES INITIATIVE TO REACH Net Zero Carbon in the Atmosphere (as of November 2020)

Status: CARBON NEGATIVE:

Suriname, Bhutan

Status: ENACTED LEGISLATION by 2050:

Sweden, United Kingdom,

France, New Zealand

Status: PROPOSED LEGISLATION by 2050:

Chile, Fiji

Status: IN POLICY DOCRUMENT:

Norway by 2030, Uruguay by 2030,

Finland by 2035, Iceland by 2040, Switzerland by

2050, Denmark by 2050, Portugal by 2050, Costa

Rica by 2050, Marshall Islands by 2050

17 Cities around the world, focus on urban nature-based solutions monitor with citizen scientist (as of

November 2020)

CANADA: 1 Vancouver, 2 Toronto

UNITED STATES: 3 San Francisco, 4 Chicago, 5

Buffalo, 6 New York,

MEXICO: 7 Mexico City

UNITED KINGDOM: 8 Birmingham, 9 London,

FRANCE: 10 Paris

UNITED ARAB EMRIATES: 11 Abu Dhabi

INDIA: 12 Mumbai

INDIA Southern: 13 Bengaluru

INDIA in Telangana: 14 Hyderabad

CHINA South Coast: 15 Hong Kong

CHINA Mainland (Most Populous Area): 16

Guangzhou

CHINA East Central: 17 Shanghai

Each country emits different amounts of carbon into the atmosphere that includes carbon monoxide and carbon dioxide. (...go to page 10 column 1 to continue...)

(continued from page 10 column 2 under grey box area...)

How Does Nature Work With Plants and Atmosphere?

In the beginning of the creation of the earth, volcanic eruptions emitted gases into the atmosphere. During the Proterozoic Eon single-cell microorganisms formed. Take a guess, do you know what two main gases that were and are emitted into the atmosphere in volcanic activity that plants consume that is present today in the atmosphere? Its also the same gases in volcanic activity on the bottom of the ocean. Use the website link to look up: <https://www.usgs.gov/science-explorer-results?es=gases+emitted+by+active+volcanoes> There are more than two, what are the two main that need to be taken to zero carbon by 2050 in the earth's atmosphere:

- 1. _____ 2. _____

Answers page 15 column 1.

Global Initiative Concentration On A Healthy Earth Atmosphere Is Repair, Assist Nature In New Growth for Healing for Survival and Maintenance!

Where do you find carbon?

Question (circle answer):

- 1. Air
2. Water
3. Soil
4. All three
5. Only in Soil

Answer on page 15 column 1.

How does photosynthesis work?

Go to page 9 Review and Fill in.

Answers on page 16.

What does plants release into the atmosphere during the process of photosynthesis that we can not live without?

Answer page 15 Column 2.

In the New Era of Environmental Time, 3 Questions With Answers That Can Assist Everybody With Planting

See if you can answer the following 3 questions before answers are revealed on page 11.

- 1. Are there plants that consume carbon monoxide?
2. Are there plants that consume carbon dioxide?
3. Are there plants that consume both?

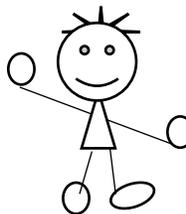
(...go to the next column right at the top on this page 8)

WEATHERING THE TEMPERATURE

Answer the six questions to see if you can find the answers on the weather thermometer. Depending on your country of origin, the thermometer usually uses either Fahrenheit or Celsius to inform you of the current temperature outside. The USA uses both.

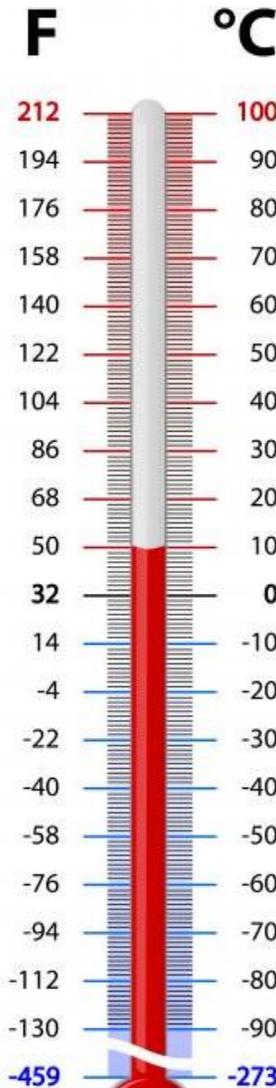
Fahrenheit & Celsius

If the boiling point is 100 Celsius. What is the Fahrenheit measurement? 0 _____



It snows when its 32 Fahrenheit. What is the Celsius measurement? 0 _____

Freezing point is 0 Celsius. What is the Fahrenheit measurement? 0 _____



Conversion from C to F: Multiply by 9, then divide by 5, then add 32

Conversion from F to C: Deduct 32, then multiply by 5, then divide by 9

Math Know Your Temperatures

Questions:

- For Spring around 70 Fahrenheit that equals ___ in Celsius.
For Fall around 18 Celsius that equals ___ in Fahrenheit.
For ___ around 24 Celsius that equals ___ in Fahrenheit.

On a fresh full print out of a Thermometer Mark the hottest points and coldest points with a comfortable temperature outside. Hint: Keep your print out near the working thermometer to remember the comparison of Celsius to Fahrenheit in temperatures to get to know your temperatures outside. For more educational worksheets for a minimal charge, www.teacherspayteachers.com (...go to page 11 column 1 to continue...)

Answers on page 17

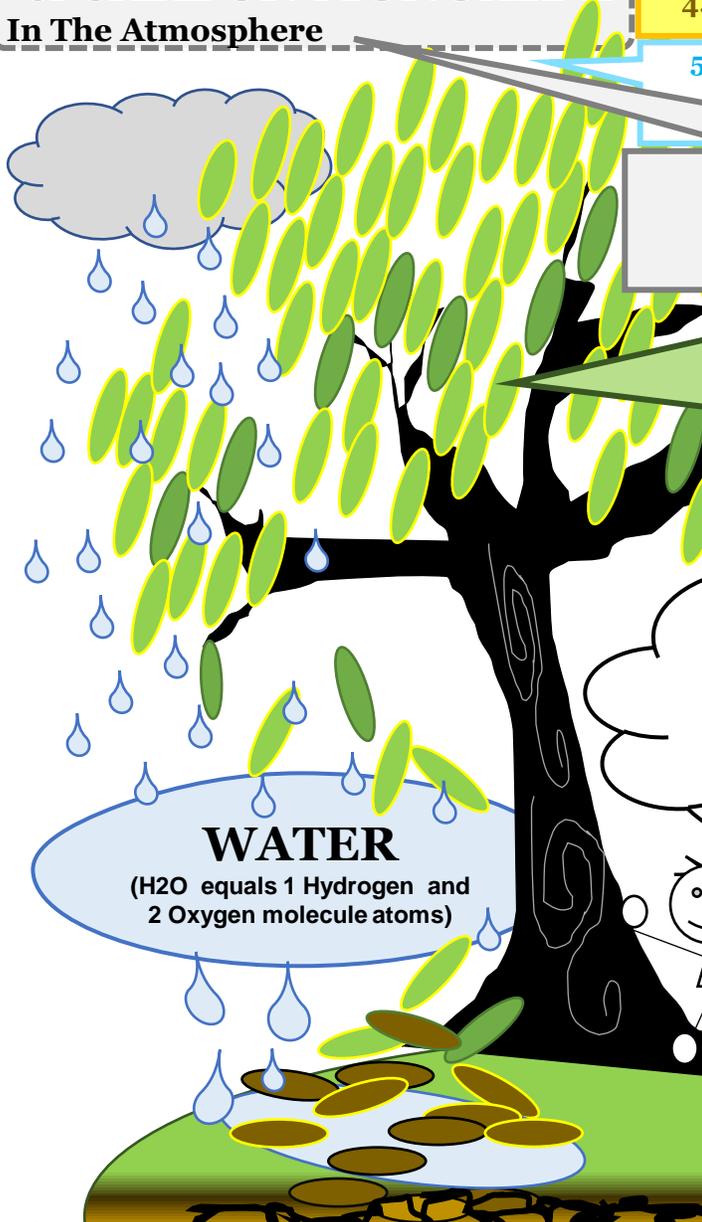
Atmospheric AIR

Worldwide Goal
Reduce **CARBON** in Atmosphere
by 1/2 by 2030



Making **OXYGEN** To Breathe In How does photosynthesis work?

90% CARBON DIOXIDE & CARBON MONOXIDE In The Atmosphere



1. Sunlight is captured by the plant leaf cells called Chloroplasts that contain Chlorophyll.
2. This starts the process of Photosynthesis.
3. The Chlorophyll and sunlight mixed together takes the atom molecules of water that is H₂O apart.
4. H₂O becomes 1 Hydrogen and 2 oxygen separated.

5. Two atom molecules of the Oxygen that was water is released into the air by the plant to be breathed in by humans and animals.

6. Carbon Dioxide & or Carbon Monoxide in the air, water and soil is consumed by live plants. Humans and animals breathe out carbon dioxide into the atmosphere for plants to consume.

7. The one atom molecule of Hydrogen that made water with the 2 oxygen molecules that was separated during the process of Photosynthesis, the one Hydrogen then mixed with carbon dioxide and or carbon monoxide that the plant consumes from the air, water and soil creates the food of sugar for the plant to eat.

Humans and Animals breathe in
o _____ made by plants.
Humans breathe out
c _____ d _____
that helps plants grow.

WATER
(H₂O equals 1 Hydrogen and 2 Oxygen molecule atoms)

Live **PLANTS**

consume c _____ in the a _____, s _____ and w _____. Then releases o _____ gas into the atmosphere through the process of photosynthesis.

SOIL... Decomposing dead leaves, plants and animals emits c _____ in the soil for plants to consume. Plants then process the c _____ and water thru p _____ to release o _____ gas into the atmosphere for us to breathe.

SOIL

Answers on page 15 (then return to page 8)

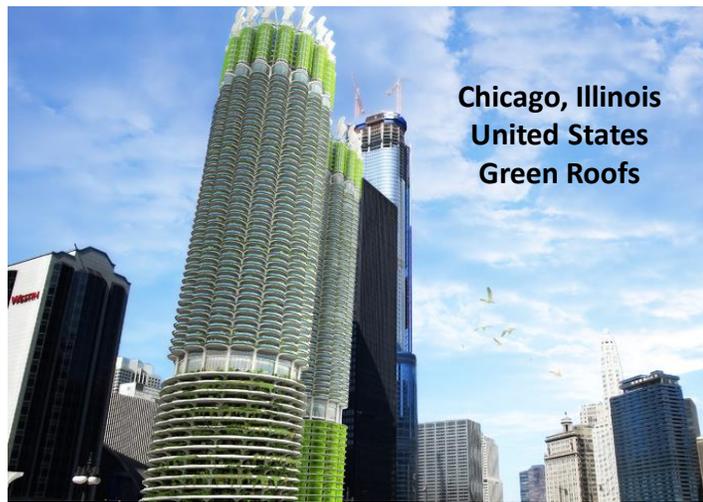
(continued from page 7 column 2 entitled Working Together As World We Can Survive! The World Has Started the INIATIVE with 17 Countries and 17 Cities Worldwide! We Need Everybody To Participate This Time! Continued...)

World Wide Mission Initiative Started With Cities Planting On Roof Tops

Pictured are two participating cities, Chicago, IL USA and London, UK. They planted green and green & blue roofs. Green roofs are the roofs of plants growing on the roof tops without water storage. Green & blue roofs, green for the plants planted on the roof and blue for the water storage on (...go to column 2 to continue under grey boxed area on this page 10...)



London, United Kingdom Green Roofs, Green and Blue Roofs



Chicago, Illinois United States Green Roofs

(...continued from page 4 column 2 entitled NASA & German Scientist Predict How Future Forest Fires Will Spread to Defeat Them...)

movement in fire. In the process of prediction, logical factors processed factors -winds, cross winds, plume (gases released in a funnel form from the fires), density, dryness, ladder fuel, types of plants, or whatever will fuel a forest fire to pull a fire in a direction that can cause the alteration of a fire that challenged winds and cross winds for possibility in redirecting a fire, with other factors of rivers, lakes, streams, open areas, etc. and plume behavior.

In closing, an accurate fire Lidar model can help first responders to deploy resources. To save lives of all kinds of nature that include plants, humans and animals and their habitats. The results of the model WRF-SFIRE designed by the German Scientists despite strong winds that included cross winds, the WRF-SFIRE model predicted where the controlled fire slowly move uphill predicted where forest fires uncontrolled blazed paths went out of control to put the situation in control and the Lidar Model WRF-SFIRE helped first responders to deploy resources.

The result of the controlled burn was released on video in Jun 2019 & aired to the public Sep 19, 2019. **QUESTION: What are the gases emitted into the atmosphere when there is a forest fire?**

Look up your answer on link:

<https://ww2.arb.ca.gov/wildfire-emissions>

Answer page 15.

What's Does (Lidar) Stand For ?

¹ **Light Detection and Ranging** defined as a remote sensing method used to examine the surface of the earth. A lidar instrument consist of a scanner and specialized GPS receiver. Lidar itself is a remote sensing method that uses light in the form of a pulsed layer to measure ranges in variable distances to the earth.

In further detailed explanation, a Lidar uses a laser (light amplification by stimulated emission of radiation) to transmit a light pulse and a receiver with sensitive detectors to measure the backscattered or reflected light. Distance to the object is determined by recording the time between the transmitted and back scattered pulses and using the speed of light to calculate the distance traveled.

The light pulses combined with other data recorded by the air borne system generate precision three-dimensional information about the shape of the earth and its characteristics. There are two types of lidar; 1) Topographic – Land & 2) Bathymetric – water.

(Topographic is the type of lidar used for models for predicting forest fires behavior) 📖

(...continued from column 1 on this page 10...) the roofs from immediate rain fall for the plants to keep them hydrated in case of drought. London has reported that they are capable of planting trees on their green & blue roofs. Some roofs have parks on top of them with pathways, benches/chairs for sitting under the shaded trees. Also, planting for sidewalks, parks etc. (go to page 8 column 1 entitled How Does Nature Work With Plants and Atmosphere? to continued...)

(continued from page 8 column 2 entitled WEATHERING THE TEMPERATURE...)

Heat Of The Thermometer Can Be Adjusted With Thicker Vegetation, Photosynthesis Would Be Stronger And More Oxygen Would Be Produced From The Trees And Plants...Cooling Off The Earth's Climate.

Active! Help in Education! To Save the Planet With Research Institutions

Two countries lead and assist with assistance from and to other countries in public educational knowledge through webinars for all ages, lesson plans, projects, etc., in research in *two different areas in global warming, land and water*, in awareness, research, recovery, replanting and maintenance leads. 1. The United States covering mostly the ocean in research with the main research facility *Woods Hole Oceanographic Institution* based on East Coast in Cape Cod, MA. Website link: www.who.edu working with United States Department of Commerce department of *National Oceanic and Atmospheric Administration, grade school education plus ages* web link: www.noaa.gov 2. The United Kingdom covering mostly the land in research with the main research facility in research/education *EarthWatch Europe* in London, UK. Website link: <https://earthwatch.org.uk>

Tennis Court Size At A Time & Worldwide Reforestation

In Whitney, United Kingdom, citizens and citizen scientists naturally fertilized plotted areas the size of tennis courts and planted on each plot over 600 different kinds of trees native to the countries territory to make tiny forests. The tiny forest are maintained for up to two years until nature can take care of each new tiny forest. This is another way London is preparing the way for our new Era in environmental time for us to join. View video on EarthWatch Europe: : <https://earthwatch.org.uk>

In the United States, Kellogg's, the corporate company known for its popular cereals, is participating in a worldwide reforestation with its customers. Customers that purchase Kellogg's products and turn in a picture of their receipt on the Kellogg's corporate website can accumulate reward points. One of the reward options that customers can redeem their points for is planting a free tree. To participate, login or open a free account, turn your receipts in for points, gather enough reward

points to redeem for a free tree. To redeem, go under the rewards section press 'rewards categories', choose 'Donations to Charities', choose 'Plant a Tree' with *Treecycler*, redeem the required points, check email for your redeemed reward points code, to plant a free tree anywhere worldwide go to the listed website *Treecycler* in your email you received your points code, to enter your redeemed reward points code, look over the worldwide reforestation projects offered on *Treecycler* and select the reforestation project you would like your tree planted, place your redeemed reward points code in for a tree to be planted, press enter. Link: <https://www.kelloggsfamilyrewards.com/>

In the New Era of Environmental Time, 3 Questions With Answers That Can Assist Everybody With Planting

1. Are there plants that consume carbon monoxide? Carbon Monoxide Removing Plants (?) Yes, consider one or more of the best carbon monoxide removing plants for planting at home: bamboo palm, spider plant, golden pathos and the chrysanthemum...link: https://search.yahoo.com/yhs/search?hspart=iba&hsimp=yhs-syn&type=asbw_8923_CHW_US_tid1604&p=what%20plants%20eat%20carbon%20monoxide

2. Are there plants that consume carbon dioxide? Carbon Dioxide Removing Plants (?) Yes, there are a lot of carbon dioxide removing plants that you can plant, here are a few with a link to look for some of the best 30 you can plant: Ficus Robusta, philodendron, peace lily, aloe vera, gerbera daisy, orchids... link: <https://trinjal.com/plants-that-absorb-carbon-dioxide/#:~:text=%2030%20Plants%20that%20Absorb%20Carbon%20Dioxide%20and,Neem%20tree%2C%20is...%204%20RHAPIS%20EXCELSA%3A%20More%20>

3. Are there plants that consume both? Many of these plants listed in the *Trinjal.com* article absorb more than one gas in the atmosphere besides carbon dioxide and carbon monoxide. ***Guess what plant purifies the air in home and helps with skin conditions etc. in this article?***

Link: <https://trinjal.com/plants-that-absorb-carbon-dioxide/#:~:text=%2030%20Plants%20that%20Absorb%20Carbon%20Dioxide%20and,Neem%20tree%2C%20is...%204%20RHAPIS%20EXCELSA%3A%20More%20>

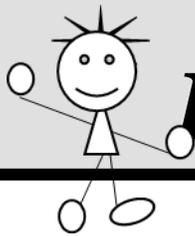
Answer page 15

*The Review On Environmental Updates For
Children And Adults To Encompass The Facts
Of The Benefits Of Maintenance.*

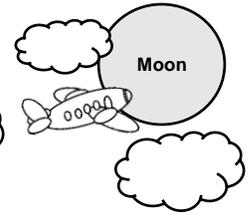


ANSWERS

Page 13 thru 17



(continued from page 1 column 1 entitled SAVING OUR GLOBAL WARMING PLANET WITH THE WORLD
Let's Help Plant for O2 Oxygen! Keep the Circle of Life That Started in H2O Water Continued...



Questions on Five Layers Of The Atmosphere Take An Educated Guess

Answers to Page 2

Answers

1. Correct Answer is that you should of drawn a cloud, airplane and person in the first layer of the TROPOSPHERE atmosphere were they belong on earth.
2. The ozone layer is between TROPOSPHERE and STRATOSPHERE where you were to draw or color a line between the atmosphere layer or layers.
3. Hint: The OZON LAYER is 20 To 30 KM OR 12.427 to 18.641 Miles from the earth's surface.
4. FACT: Earth to Moon is approximately 384,400 km OR 238,900 miles.



5. EXOSPHERE Layer

700 to 190,000 KM Equals
434.959 Miles to 118,060.300 Miles

4. THERMOSPHERE Layer

80 To 700 KM Equals
49.710 to 434.959 Miles

3. MESOSPHERE Layer

50 To 80 KM Equals
31.069 Miles to 49.710 Miles

2. STRATOSPHERE Layer

12 To 50 KM Equals
7.456 miles to 31.069 Miles

Answer 2: OZON LAYER 20 To 30 KM OR 12.427 to 18.641 Miles

Answer 1:



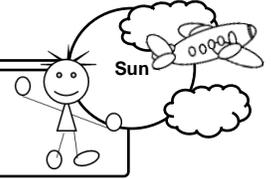
1. TROPOSPHERE Layer

0 To 12 KM Equals
0 to 7.456 Miles



Earth

(continued from page 3 column 1 entitled SAVING OUR GLOBAL WARMING PLANET WITH THE WORLD
Let's Help Plant for O2 Oxygen! Keep the Circle of Life That Started in H2O Water Continued...



Answers to Page 6

Phanerozoic Eon

**Dying Planet Or New Transitional Environment?
Environmental Era in Time
Why We Need To Plant?**

Climate Change: 1. What is main atmospheric gas atom(s) that is causing the *Global Warming*? carbon
2. The atmospheric gas atom carbon of 90% percentage that is causing *Global Warming* needs to be cut down by $\frac{1}{2}$ by 2030. 3. Does animal life survive drastic climate changes? Yes, but not all animal life.
4. With the Earth's planet's atmospheric environment changing are we entering a new Environmental Time Era according to the below chart? Yes, for the temperatures are changing and some animals have become extinct. 5. If we do our part in planting life will it save our planet? Yes, we have a better chance to survive if we work together.
Scientists have given us the facts and forecasts for the future so we can do our part in taking care of the earth.

EARTH'S SURFACE Look What We Are Walking Over That's Buried Underground

BURIED UNDERGROUND

3. CENOZOIC ERA EARTH'S ENVIRONMENT

Buried In The Ground Nearest The Surface

Time Periods: 65 Million Years Ago

Quaternary

Recent Pleistocene

Life that appeared that lives today that survived: Mammals, Humans, Birds, Fishes, Amphibians Reptiles, etc. (new and old species)

Tertiary

Drastic Climate Changes

Pliocene

Caused *Extinction*

Miocene

For **Some** Animals

Oligocene

Eocene

Paleocene

BURIED UNDERGROUND

2. MESOZOIC ERA EARTH'S ENVIRONMENT

Buried In The Middle between the Nearest to Lowest In the Surface

Time Periods: 225 Million Years Ago

Life today that survived: Fishes, Amphibians Reptiles etc.

Cretaceous

Drastic Climate Changes

*Dinosaurs Lived and Died
Became Extinct*

Jurassic

Caused *Extinction*

Triassic

For **Very Large** Animals

BURIED UNDERGROUND

1. PALEOZOIC ERA EARTH'S ENVIRONMENT

Buried In The Ground The Lowest From The Surface

Life today that survived:

Time Periods: 570 Million Years Ago

Microscopic Organisms

Permian

Phytoplankton, Plankton

Pennsylvanian

Fishes, Amphibians Reptiles etc.

Mississippian

Drastic Climate Changes

The first signs of life happened here.
plant life, micro-organisms, fishes,
amphibians and reptiles appeared

Devonian

Caused *Extinction*

Silurian

For **Some** Animals

Ordovician

Cambrian

(continued from page 1 column 1 entitled What does carbon have to with maintenance of life?..)

Facts: (write in answer) Answers to Page 6

1. Ice bergs melting at an exceeded rate of global warming due to an over abundance of carbon in the water, air and soil.

2. Human and Animal Habitats are at risk of being lost. Not just the cold weather animals such as polar bears, seals and penguins and humans that live in the arctic cold areas. Coast lines of many countries, human homes are built near, beaches may loose homes, including cities, to the ocean water rising making new coast lines. New Coast lines putting more of the coast into the ocean due to water rising.

3. Many more animals are at risk of being put on the endangered list of loosing their habitats and their food sources including humans. Not all Zoos are a source to keep and preserve their habitats in artificial man made habitats.

4. We are planting to breathe in oxygen to keep us alive and cool off the atmosphere.

Answers to Page 8 continued

What does plants release into the atmosphere during the process of photosynthesis that we can not live without? oxygen

Answers to Page 10

Carbon Dioxide Removing Plants (?) Guess what plant purifies the air in home and helps with skin conditions etc. in this article? Aloe Vera

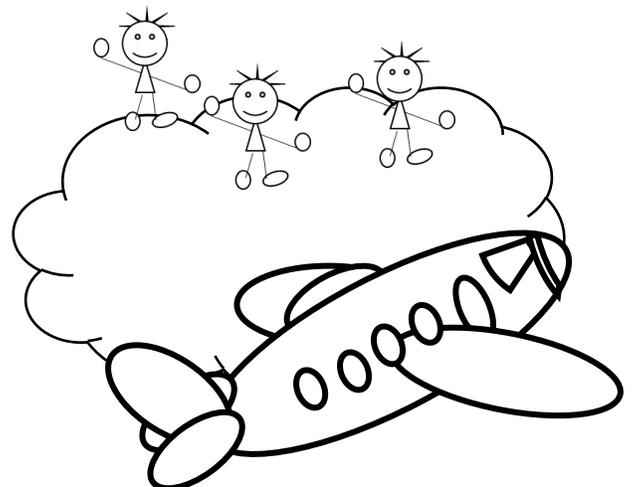
Answers to Page 10 Forest Fires & NASA

NASA & German Scientist Predict How Future Forest Fires Will Spread to Defeat Them QUESTION: What are the gases emitted into the atmosphere when there is a forest fire?

GreenHouse Gas (GHG) emitted by fire are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O).

Link: <https://ww2.arb.ca.gov/wildfire-emissions>

If you have additional questions, look for answers to your questions using your resources of educational research institutions.



Answers to Page 8

How Does Nature Work With Plants?

In the beginning of the creation of the earth during the cooling off, due to volcanic eruptions, microorganisms formed at a point in time. Take a guess, do you know what was two main gases that were and are emitted into the atmosphere in volcanic activity?

1. Carbon Dioxide 2. Carbon Monoxide

Global Initiative Concentration On A Healthy Earth Atmosphere Is Repair, Assist Nature In New Growth for Healing for Survival and Maintenance!

Question Review (circle answer):

Where do you find carbon?

1. Air
2. Water
3. Soil
- ④. All three**
5. Only in Soil

Answers to Page 9

Atmospheric AIR

Worldwide Goal
Reduce CARBON in Atmosphere
by 1/2 by 2030

90% CARBON DIOXIDE
& CARBON MONOXIDE
In The Atmosphere

Making OXYGEN To Breathe In
How does photosynthesis work?

1. Sunlight is captured by the plant leaf cells called Chloroplasts that contain Chlorophyll.
2. This starts the process of Photosynthesis.
3. The Chlorophyll and sunlight mixed together takes the atom molecules of water that is H₂O apart.
4. H₂O becomes 1 Hydrogen and 2 oxygen separated.
5. Two atom molecules of the Oxygen that was water is released into the air by the plant to be breathed in by humans and animals.

6. Carbon Dioxide & or Carbon Monoxide in the air, water and soil is consumed by live plants. Humans and animals breathe out carbon dioxide into the atmosphere for plants to consume.

7. The one atom molecule of Hydrogen that made water with the 2 oxygen molecules that was separated during the process of Photosynthesis, the one Hydrogen then mixed with carbon dioxide and or carbon monoxide that the plant consumes from the air, water and soil creates the food of sugar for the plant to eat.

Answers

Humans and Animals breathe in oxygen made by plants.
Humans breathe out carbon dioxide that helps plants grow.

Answers

Live PLANTS consume carbon in the air, soil and water. Then releases oxygen gas into the atmosphere through the process of photosynthesis.

Answers

SOIL... Decomposing dead leaves, plants and animals emits carbon in the soil for plants to consume. Plants then process the carbon and water thru photosynthesis to release oxygen gas into the atmosphere for us to breathe.

SOIL

WEATHERING THE TEMPERATURE

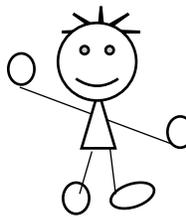
Answers to Page 8

Answer the six questions to see if you can find the answers on the weather thermometer. Depending on your country of origin, the thermometer usually uses either Fahrenheit or Celsius to inform you of the current temperature outside. The USA uses both. ☑

Fahrenheit & Celsius

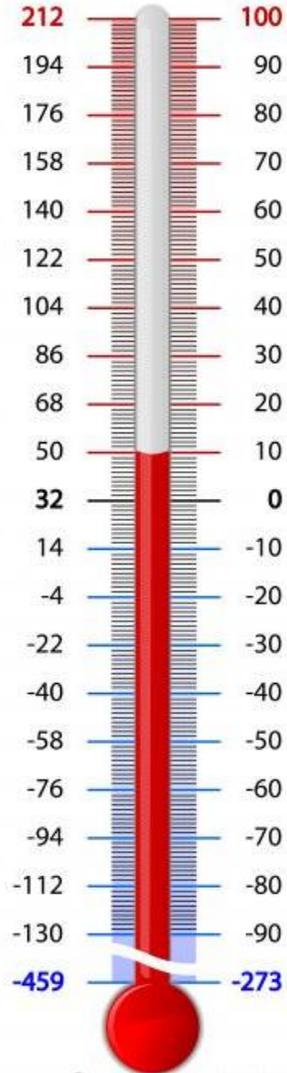
F **°C**

If the boiling point is ⁰100 Celsius. What is the Fahrenheit measurement?
212⁰



It snows when its ⁰32 Fahrenheit. What is the Celsius measurement?
0

Freezing point is ⁰0 Celsius. What is the Fahrenheit measurement?
32



Conversion from °C to °F
Multiply by 9, then divide by 5, then add 32

Conversion from °F to °C
Deduct 32, then multiply by 5, then divide by 9



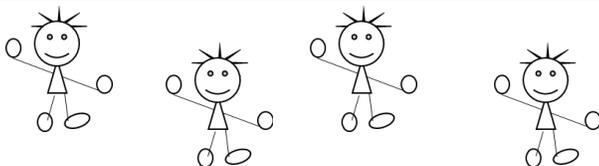
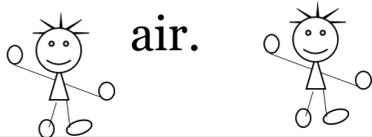
Earth Day is celebrated in the United States in April each year. April 22, 2021 is on a Thursday this year.

Celebrate this year with planting more than just in April to help the earth's atmosphere!

Plant the plants needed for your environment.

City citizens look up plants for pollution to clean the

air.



Math

Know Your Temperatures

Question:

For Spring around ⁰70 Fahrenheit that equals 21 in Celsius.

For Fall around ⁰18 Celsius that equals 64 in Fahrenheit.

For **Summer** around ⁰24 Celsius that equals 75 in Fahrenheit.

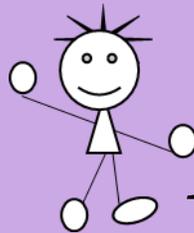
On a fresh full print out of a Thermometer Mark the hottest points and coldest points with a comfortable temperature outside. Hint: Keep your print out near the working

thermometer to remember the comparison of Celsius to Fahrenheit in temperatures to get to know your temperatures

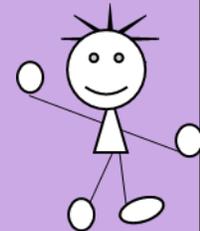
outside. For more educational worksheets for a minimal charge,

www.teacherspayteachers.com

*The Review On Environmental Updates For
Children And Adults To Encompass The Facts
Of The Benefits Of Maintenance.*



**DEFINITIONS,
DEFINED
REFERENCES AND
REFERENCES
Pages 19 thru 21**



DEFINITIONS, DEFINED REFERENCES AND REFERENCES

Defined: Atmosphere, Layers of the Earth Atmosphere, Internet Website Slide, Website, World Atlas, link: <https://www.worldatlas.com/articles/what-are-the-6-layers-of-the-earth-s-atmosphere.html>

Defined: Atmosphere, The Earth's Atmosphere, Internet Website Slide, Website, freepik, link: https://www.freepik.com/premium-vector/diagram-layers-within-earth-s-atmosphere-illustration-vector-eps10_3351105.htm

Reference: Carbon, Title: 'earthwatch webinar recording: nature based solutions for carbon storage', 1 of 4, Internet, Website, earthwatch Europe, Recorded Nov 4, 2020, Topic Webinar, link: <https://earthwatch.org.uk/get-involved/events>

Reference: Carbon, Title: 'earthwatch webinar recording: nature based solutions for natural flood management', 2 of 4, Internet, Website, earthwatch Europe, Recorded Nov 11, 2020, Topic Webinar, link: <https://earthwatch.org.uk/get-involved/events>

Reference: Carbon, Title: 'earthwatch webinar recording: nature based solutions for improved thermal comfort', 3 of 4, Internet, Website, earthwatch Europe, Recorded Nov 18, 2020, Topic Webinar, link: <https://earthwatch.org.uk/get-involved/events>

Reference: Carbon, Title: 'earthWatch webinar recording: nature based solutions for water quality improvement', 4 of 4, Internet, Website, earthWatch Europe, Recorded Nov 25 2020, Topic Webinar, link: <https://earthwatch.org.uk/get-involved/events>

Defined: Carbon Dioxide, '30 Plants that Absorb Carbon and Eat Pollution' Internet, Website, Trinjal.com, link: <https://trinjal.com/plants-that-absorb-carbon-dioxide/#:~:text=%2030%20Plants%20that%20Absorb%20Carbon%20Dioxide%20and,Neem%20tree%2C%20is...%204%20RHAPIS%20EXCELSA%3A%20More%20>

Defined: Carbon Monoxide, 'What are the best carbon monoxide plants?', Internet, Website, Yahoo, link: https://search.yahoo.com/yhs/search?hspart=iba&hsimp=yhs-syn&type=asbw_8923_CHW_US_tid1604&p=what%20plants%20eat%20carbon%20monoxide

Defined: Chronology, defined, Internet, Website, Wikipedia, link: <https://en.wikipedia.org/wiki/Chronology>

Defined: Era, defined, Internet, Website, Wikipedia, link: <https://en.wikipedia.org/wiki/Era>

Defined: Era, defined in geology, Internet, Website, Wikipedia, link: [https://en.wikipedia.org/wiki/Era_\(geology\)](https://en.wikipedia.org/wiki/Era_(geology))

Defined: feet to Metres, 'Feet To Metres- Imperial To Metric Height Conversions' Internet, Website, Feet To Metres Height Conversions, link: <https://www.feettometres.com/>

Definition: foliage, noun, plant leaves collectively Internet Website, Wikipedia, link: <https://www.lexico.com/definition/foliage>

Reference: forest fires, '2020 California wildfires', Internet, Website, Wikipedia, link: https://en.wikipedia.org/wiki/2020_California_wildfires

Defined: forest fires, 'At what temperature does a forest fire burn?' by Bill Gabbert, Feb 26, 2011, Article, Internet, Website, Wildfire Today, Link: [https://wildfiretoday.com/2011/02/26/at-what-temperature-does-a-forest-fire-burn/#:~:text=An%20average%20surface%20fire%20on%20the%20forest%20floor,or%20more%20and%20flame%20temperatures%20exceeding%201200%C2%BC%20\(2,192%C2%BF\)](https://wildfiretoday.com/2011/02/26/at-what-temperature-does-a-forest-fire-burn/#:~:text=An%20average%20surface%20fire%20on%20the%20forest%20floor,or%20more%20and%20flame%20temperatures%20exceeding%201200%C2%BC%20(2,192%C2%BF))

Defined: 'Forecasting Fires' Video, Internet, Website, NASA, September 2019, Look up Link: https://nasasearch.nasa.gov/search/news?utf8=%E2%9C%93&affiliate=nasa&channel=704&sort_by=r&query=forest+fires Direct link: <https://www.youtube.com/watch?v=O56EzGb2-oU>

Defined: Geology, ... Earth science concerned with solid rock... Internet Website, Wikipedia, link: <https://en.wikipedia.org/wiki/Geology>

Defined: Geological Terminology, Internet Website, link: https://en.wikipedia.org/wiki/Geologic_time_scale#Terminology

Reference: Geological Time Scale, pg. 152-153, soft cover book, 'Geology', Publisher, a Golden Guide From St. Martin's Press, N.Y, N.Y, copyright 1972

(go to page 20 to continue...)

DEFINITIONS, DEFINED REFERENCES AND REFERENCES

Definition: Geological Time Table, The geologic time scale (GTS) is a system of chronological dating that classifies geological strata (stratigraphy) in time. It is used by geologists, paleontologists, and other Earth scientists to describe the timing and relationships of events in geologic history. The time scale was developed through the study of physical rock layers and relationships as well as the times when different organisms appeared, evolved and became extinct through the study of fossilized remains and imprints. Internet Website, Wikipedia, link: https://en.wikipedia.org/wiki/Geologic_time_scale

Definition: ‘Ladder Fuel’ defined in reference to a forest fire is ground base fire primarily burn up through vegetation communities and get into the crowns of trees. A fire that burns in an eco system. Leads to a very high sever wild fire. Internet, Website, Surviving Wildfire link: <https://surviving-wildfire.extension.org/ladder-fuels/>

Definition: Photosynthesis, pho-to-syn-the-sis / ˈfɒdōˈsɪnTHəsəs/ Noun 1.the process by which green plants and some other organisms use sunlight to synthesize foods from carbon dioxide and water. Photosynthesis in plants generally involves the green pigment chlorophyll and generates oxygen as a byproduct., Internet, Website, Oxford Dictionaries, link: <https://www.oxfordlearnersdictionaries.com/definition/english/photosynthesis?q=photosynthesis>

Reference chart: Photosynthesis, Ingredients chart, Internet Website Slide, Website, KIDS DISCOVER, link: <https://kidsdiscover.com/?s=photosynthesis+>

Reference chart: Photosynthesis, Release of carbon, Internet Website Slide, Website, Earthly Issues, link: <http://www.earthlyissues.com/plantrecycle.htm> And website: https://farm4.static.flickr.com/3217/3081218761_d6d4a2f72_o.gif

Defined: Plants, ‘30 Plants that Absorb Carbon Dioxide and Eat Pollution’ by Trinjal.com Website, Trinjal.com, link: <https://trinjal.com/plants-that-absorb-carbon-dioxide/#:~:text=%2030%20Plants%20that%20Absorb%20Carbon%20Dioxide%20and,Neem%20tree%2C%20is...%204%20RHAPIS%20EXCELSA%3A%20More%20>

Defined: Plants, ‘What are the best carbon monoxide plants?’ Internet Article, Website, link: https://search.yahoo.com/yhs/search?hspart=iba&hsimp=yhs-syn&type=asbw_8923_CHW_US_tid1604&p=what%20plants%20eat%20carbon%20monoxide

Definition: Plume, Pertaining to Wildfires, defined, b: an elongated and usually open and mobile column or band (as of smoke, exhaust gases, or blowing snow). Internet, Website, Merriam-Webster.com, link: <https://www.merriam-webster.com/dictionary/plume>

Reference downloadables: Roman Numerals, downloadable roman numeral charts, Internet Website, RomanNumerals.guide, link: <https://romannumerals.guide/chart/download>

Defined, Stratosphere, ‘What is the Percentage of Gases in the Stratosphere?’ Internet, Website, Reference.com, link: <https://www.reference.com/science/percentage-gases-stratosphere-f3efd168186a2e7f>

Reference chart: Fahrenheit to Celsius Conversion, Internet, Website, The UnitConverter.com, link: <https://www.theunitconverter.com/fahrenheit-to-celsius-conversion/107-fahrenheit-to-celsius.html?>

Defined and Reference: Fahrenheit to Celsius, ‘The Interactive Thermometer’ (Slider Thermometer), Internet website, Website, MathIsFun, link: <https://www.mathsisfun.com/measure/thermometer.html>

Defined and Reference: Fahrenheit to Celsius, ‘Quick Conversion Guide’ (math Formulas), Internet website, Website, MathIsFun, link: <https://www.mathsisfun.com/measure/thermometer.html>

Defined, Troposphere, ‘Troposphere: The Lowest Layer of the Atmosphere/Geography’ Article, shared by Puja Mondal, Internet, Website, YourArticleLibrary.com, link: <https://www.yourarticlelibrary.com/geography/troposphere-the-lowest-layer-of-the-atmosphere-geography/28150>

Defined: Volcanos, ‘Exploring: Gases Emitted By Active Volcanoes’, Internet, Website, USGS.gov, link: <https://www.usgs.gov/science-explorer-results?es=gases+emitted+by+active+volcanoes>

(...go to page 21 to continue...)

DEFINITIONS, DEFINED REFERENCES AND REFERENCES

Definition: Volcanic Ash, The principal gases released during volcanic activity are water, carbon dioxide, sulfur dioxide, hydrogen, hydrogen sulfide, carbon monoxide and hydrogen chloride. These sulfur and halogen gases and metals are removed from the atmosphere by processes of chemical reaction, dry and wet deposition, and by adsorption onto the surface of volcanic ash. Internet Website, Wikipedia, link: https://en.wikipedia.org/wiki/Volcanic_ash#:~:text=The%20principal%20gases%20released%20during%C2%A0volcanic%C2%A0ac

Defined: 'Wildfires', Video Documentary, Television and Website, NASA, 20mn, film aired on 352 NASA Science/Nature Series, episode was recorded at 8:40 am, Tuesdays, Oct 13, 2020 Note: similar but different to the 'Forecasting Fires' video referenced above.

Reference Active Organizations For Reforestation Recommendations

FREE TREE PLANTING with Online Submission Of Purchased Products Through Rewards Kellogg's Corporate, USA, Internet Website, link: <https://www.kelloggsfamilyrewards.com>

Reference Books Science

Geology, a Golden Guide from St. Martin's Press, Sm. Softcover, Copyright 1991, 175 Fifth Avenue, New York, NY ISBN:1-58238-143-7

Reference Educational Material Websites:

Carol Lee Brunk Educational Website, Internet Website link: <https://www.sightwordsataglance.com>

Teachers Pay Teachers, Internet Website, link: <https://www.teacherspayteachers.com>

Reference Educational Science Magazines:

Eco, environment coastal & offshore, Internet Website, Email delivery, link: <https://www.ecomagazine.com>

FIREHOUSE, rescue & safety, Internet Website, link: <https://www.firehouse.com>

The Scientist, Internet Website Magazine, Free Subscriptions, Email delivery, link: <https://www.the-scientist.com>

Reference Research Organizations

EarthWatch Europe, Internet Website, link: <https://earthwatch.org.uk>

NASA, National Aeronautics and Space Administration, Internet Website, link: <https://www.nasa.gov>

NOAA, National Oceanic and Atmospheric Administration, Internet Website, link: <https://www.noaa.gov>

WHOI, Woods Hole Oceanographic Institution, Internet Website, link: <https://www.whoi.edu>

U.S. Fish & Wildlife Service, Internet Website, link: <https://fws.gov>

Reading Recommendations for Children Books

Backpack Explorer: On the Nature Trail: What Will You Find? By Editors of Storey Publishing, Hardcover, Copyrighted 2018, Available on amazon.com

My Little Garden by Katrin Wiehle, (A Natural World Board Book) Board book Copyrighted 2019, Available on amazon.com

Roots, Shoots, Buckets & Boots by Sharon Lovejoy, (Activities to do in the Garden together with Children) Paperback, Copyrighted 1999, Available on amazon.com

The Lorax (Classic Seuss) by Dr. Seuss, Hardcover, Softcover, Picture Book, Copyrighted 1971 Movie DVD, Copyrighted 2017, 3D, Blu-Ray, Available on amazon.com

Who Will Plant a Tree? by Jerry Pallotta, Hardcover, Copyrighted 2010, Available on amazon.com

See more recommendations on science websites of earthWatch Europe and Woods Hole Oceanographic Institution.

Future Release Of Book In Email And Educational Website Free On Pdf Posting 2021

A story will be emailed and posted on two websites www.teacherspayteachers.com and www.sightwordsataglance.com for additional educational reference when completed. Posting will be posted during the 2021 year TBA, to assist in the educational enhancement of learning why its very important to take care of the planet earth using the information in this interactive review article- to assist memory recall.