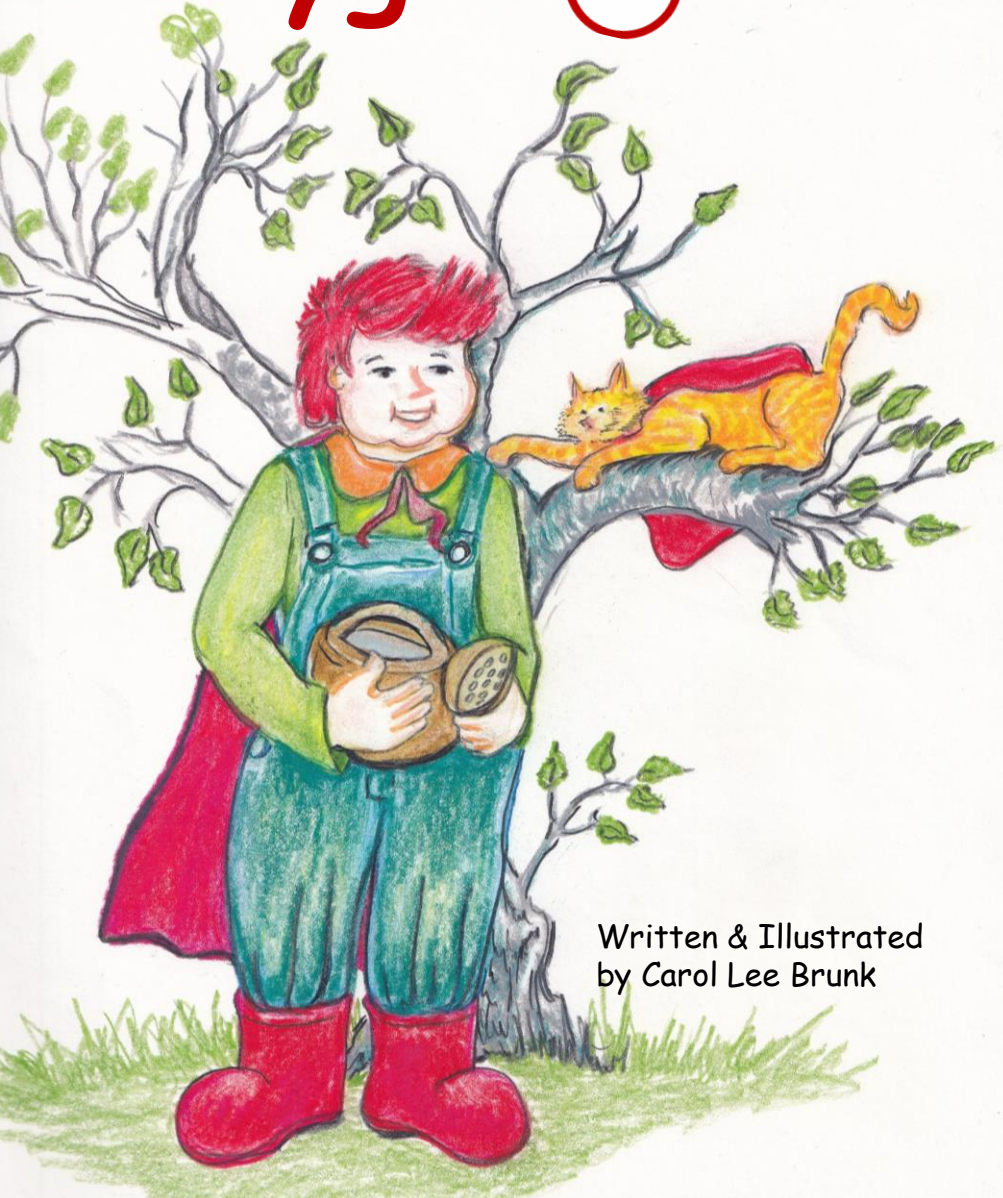




# Oxygen Gas




Written & Illustrated  
by Carol Lee Brunk



# Oxygen Gas

Written & Illustrated by Carol Lee Brunk



Sasha and the cat Aries  
helps the earth  
make  
oxygen  gas.

## DEDICATED TO:

The environmentalist and environmental learners  
of past, present and future,  
a thank you for the maintenance of life for a healthy  
planet earth that includes you.



'Oxygen Gas' PreReader Level 2  
Self-Published Publication  
Carol Lee Brunk  
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Mount Sterling, Kentucky 40353  
United States of America  
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Cellular: 1-224-239-9877  
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ISBN: 9798467836294

## Educational Development

The development of the book is to continue educational development advancement.

Writer, Creator, Developer, Publisher And Illustrator:

Carol Lee Brunk

Senior Project Capstone

Fall 2021 Semester

Northern Illinois University, DeKalb, IL

With Professor John Siblik

For Graduation of December 2021

In Art Bachelors in Science

Associates Degree in Science

in Elementary Education was achieved at Sauk Valley  
Community College, Dixon, IL in 1987.

Paraprofessional Education License from Illinois State  
Board of Education with renewal date of 2023.

Application for (PEL) Professional Education License  
will be applied for in December 2021 upon graduation  
date from Northern Illinois University.

# Methodology

## Sentence Story in a Story


The 'Oxygen Gas' book is the first volume of the new PreReader Level 2. PreReader Level 2 is to assist learners of the English language, increase their reading level from the educational Prereader in comprehension and increase their attention span. The content of the story consist of 14 sentences.

***PreReader Level 2 is a sentence book with each sentence identified in an italic number above the start of each sentence. Uses poetry phrases for easy reading.*** Sentence exposure of first and third sentences are designed in poetic phrases to give the reader the elements of space for word identification association to understand concept(s). The book uses sentence repetition in illustration and text to mural a sentence story and to give you the big picture- its like putting a puzzle together. This book is written as a stand-alone educational environmental learner book written for comprehension of understanding scientific concept(s) of what is written through words and illustrated text. The book uses sight words and word association along with repetition in sentence format with the use of design elements that include symbols. Written content uses repetition of each sentence three different ways per sentence: 1) sentence by itself- exposure page 2) sentence is represented as one word per page with illustrations on verbs and nouns that uses sight words and word association in illustrations per word, 3) sentence exposure on a page with all previous illustrations pulled together for the reader to understand the big picture of the sentence-the mural.

The book creates a matrix in early learning with the symbols of the English alphabet with the use of mathematics in recognition of word defined meaning. Example the word 'a' is the mathematic association of the numeral number '1' for comprehension of the equivalent of the number one.


## Description





Description of Story Content:


'Oxygen  Gas' is the air we breathe in from the air atmosphere to live life. Meet two heroes Sasha and the cat Aries. Sasha means 'defender of mankind' in the Russian language and is short for Alexander and Alexandra and Aries the cat's name in Latin origin means goddess of drive, passion and courage or Olympian god of war, battle lust, courage and civil order (law). Read the story. Can you find out why Sasha and Aries are heroes to the earth?

## Purpose

Environment Awareness of Sustainability

Introducing a new science series called Environmental Learner. 'Oxygen  Gas' is the first book in a new series of the Environmental Learner under the category of PreReader Level 2.

The book 'Oxygen  Gas' is to enhance and direct one's focus to the world's initiative to increase oxygen  gas and reduce the carbon dioxide  out of the atmosphere that pertains to three goals of the 17 Sustainable Development Goals of the United Nations. The three goals in reference for the story 'Oxygen  Gas':


Goal 13 Climate Change  
Goal 14 Life Below  Water  
Goal 15 Life On Land




Exposure to all 17 Sustainability Development Goals go towards the back of this book to page 293 'Exposure 2021'. Exposure into the world's mission for survival through peace efforts. All countries are striving for a better world are at different stages due the social and economic development advancement for each country in forward development develops without any negative effect on the environment.

## SCIENTIFIC CONCEPT(S)

Beginning exposure to the concept of understanding with symbols of molecules:



- germination = hatched
- photosynthesis = the release of  
 oxygen  gas in the  
 green of the plant

- Where oxygen  gas and carbon dioxide  gas comes from.
- Defines planting and the understanding of germination and photosynthesis using a different concept relation; uses word association and symbols. The word hatched instead of coat shed is discussed under the magnifying glass towards the back of book under *Scientific Note* pages.
- Using terminology and comparative words to understand concept with exposure of the word focus on concept concentration to get the results to keep word concentration on the word oxygen  gas.

# WORD EXPOSURE

## Defined in Scientific Color

air

roots, seed

carbon dioxide

sun

dirt

sunlight, sunlight's

gas

steam

grows, helps

water

heats

hatches, making, make, makes

oxygen

plant, plants, stem

poop, poops

### 3 Times WORD EXPOSURE

(There are No Single Exposed Words)

Word Exposure Starts at 3 times.

Reason: Sentence Repeat is 3 Times Per Sentence.

alive  
down  
heats  
heroes  
places  
pushes

steam  
story  
through  
two  
up

# WORD EXPOSURE

## Word Exposure 4 Plus Times.

Aries	of
a	on
air	out
and	oxygen
apart	oxygen gas
blows	plant, plants
breathes	poop
cat	poops
carbon dioxide	roots
carbon dioxide gas	pours
covered, covers	pulls
dirt	pushes
digs	Sasha
earth	seed
eats	stem
for	sun
gas	sunlight, sunlight's
green	that
grows	the
hatched, hatches	us
helps	water
hole	with
in	
into	
keep	
make, makes, making	





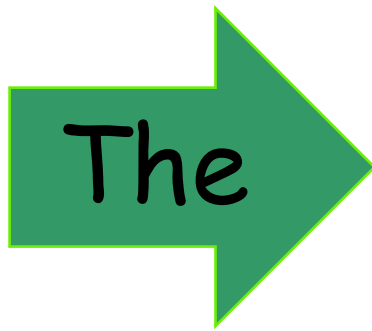
# Oxygen

## Gas

# Sentence

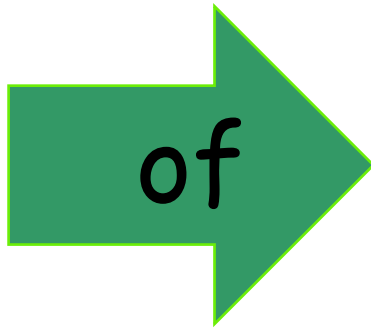
## 1

The story of two  
oxygen  gas  
making  
heroes.





story

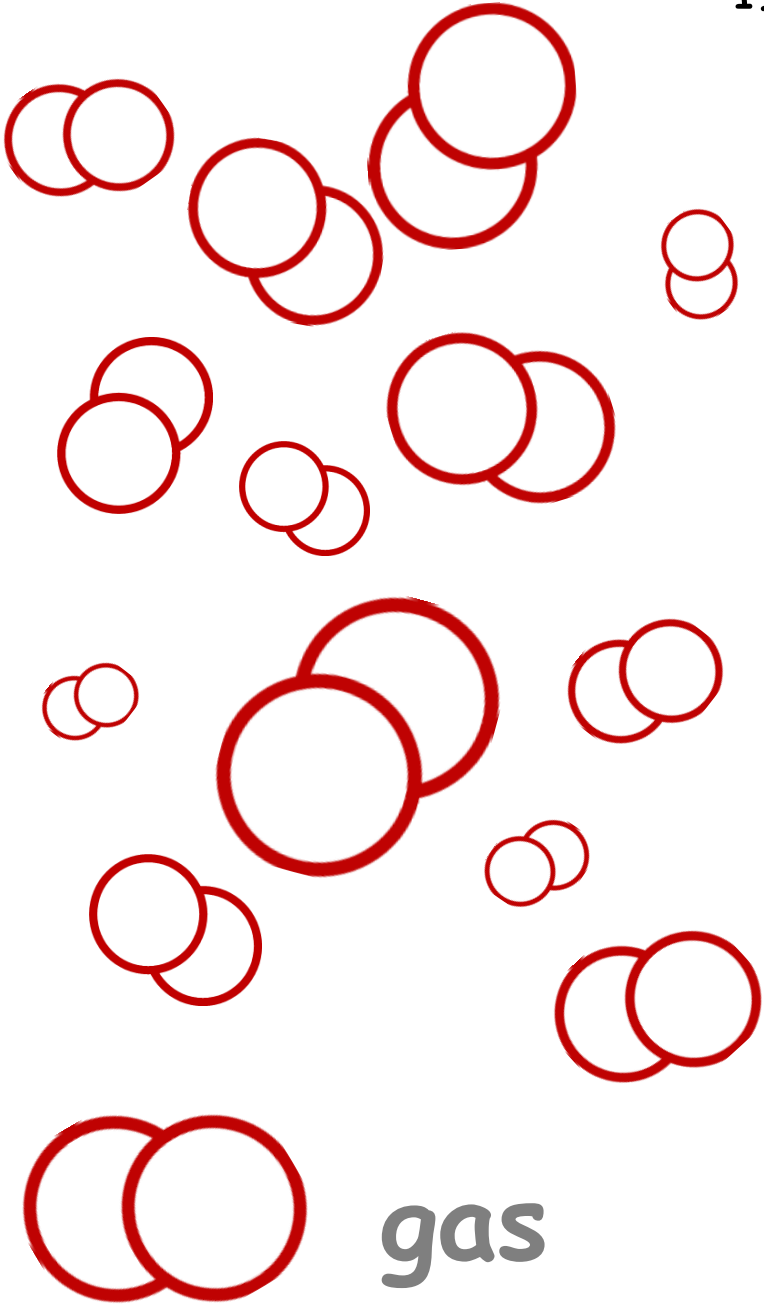


$$\begin{array}{r} 1 \\ + \\ 1 \\ \hline = 2 \end{array}$$

two



oxygen

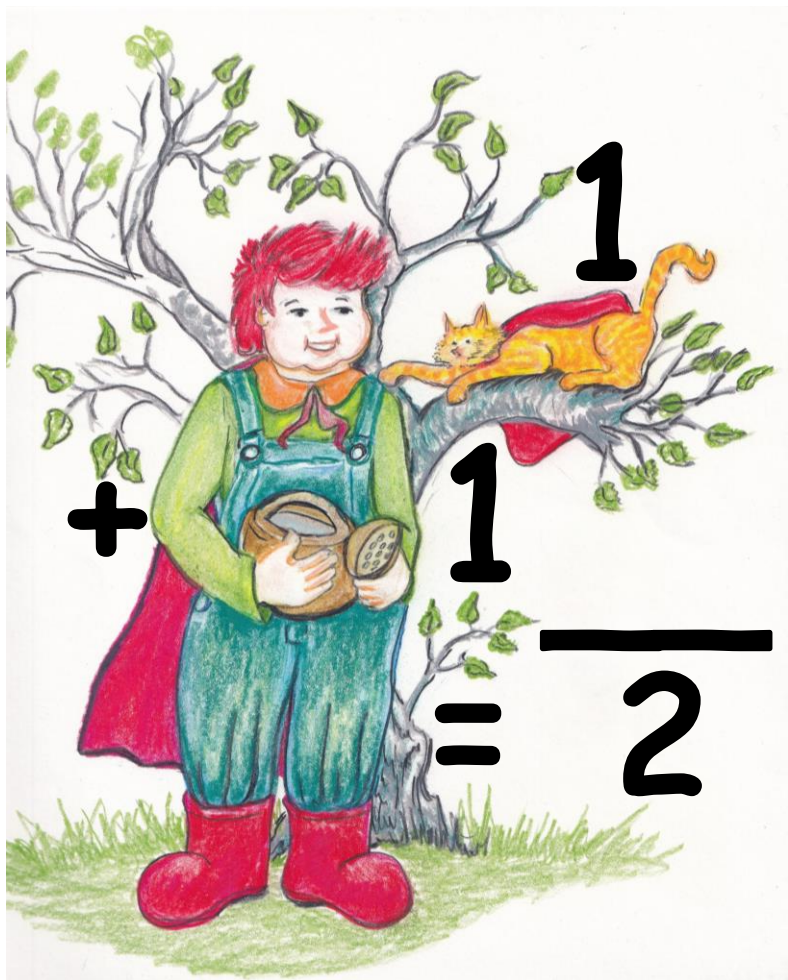






making





heroes.





The story of two  
**oxygen**  **gas**  
**making**  
heroes.



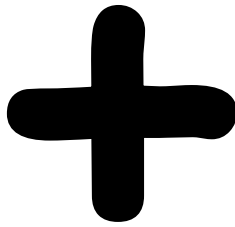
# Sentence

## 2

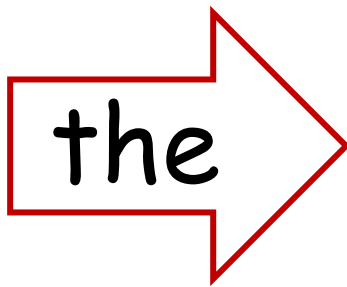
Sasha and the cat Aries  
breathes in  
oxygen  gas  
and blows out  
carbon dioxide  gas  
in  
the air.



Sasha



and



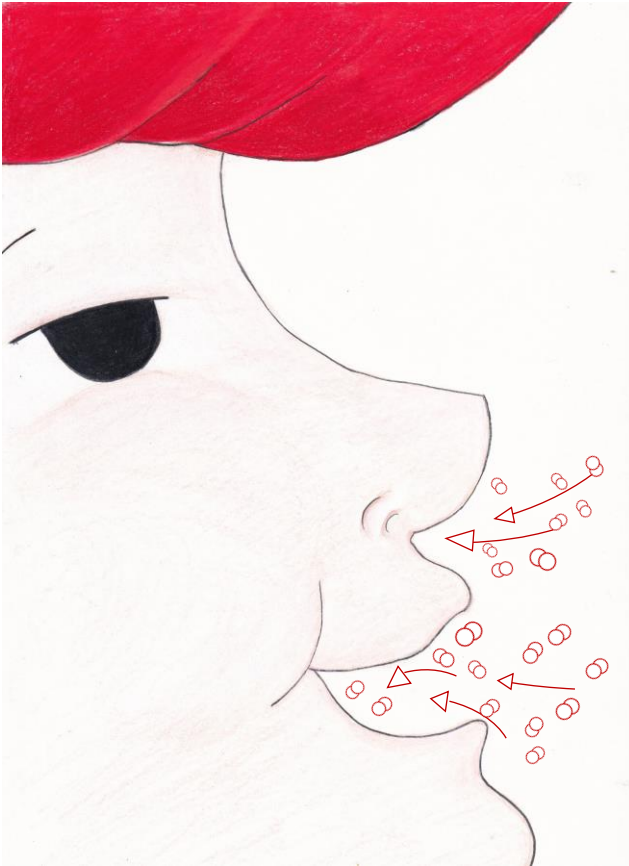


cat

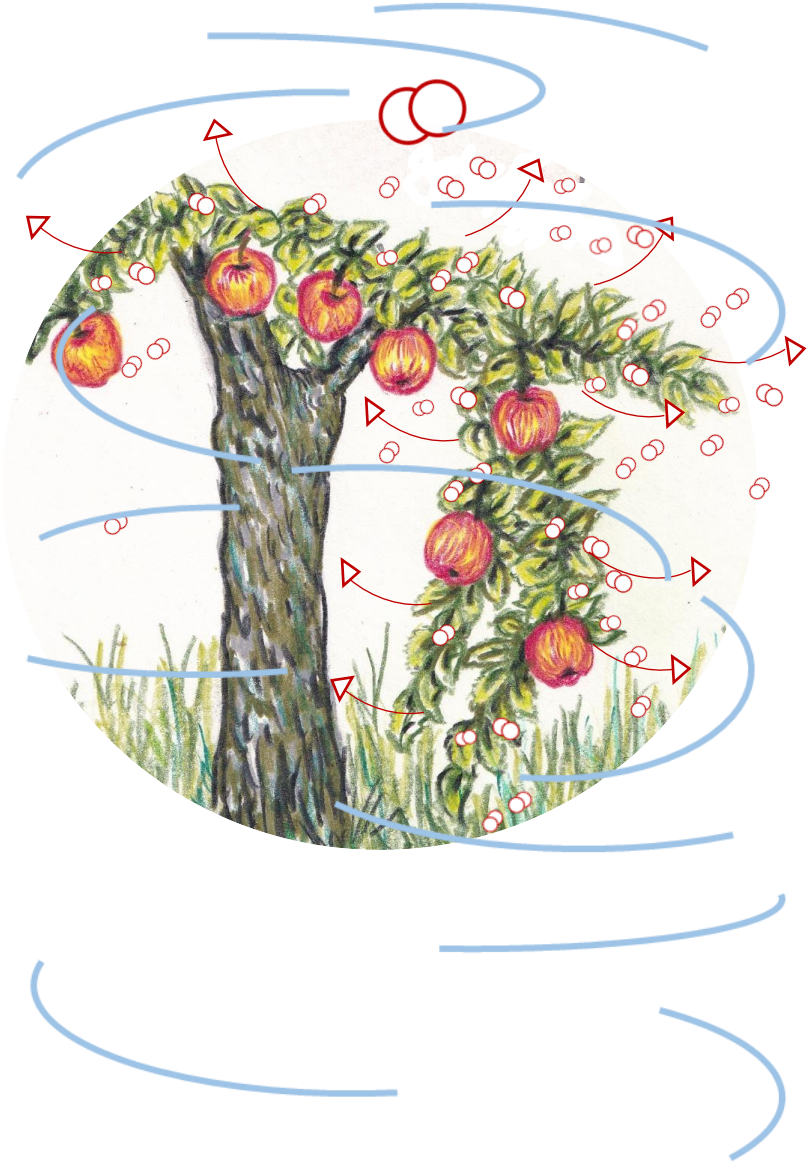


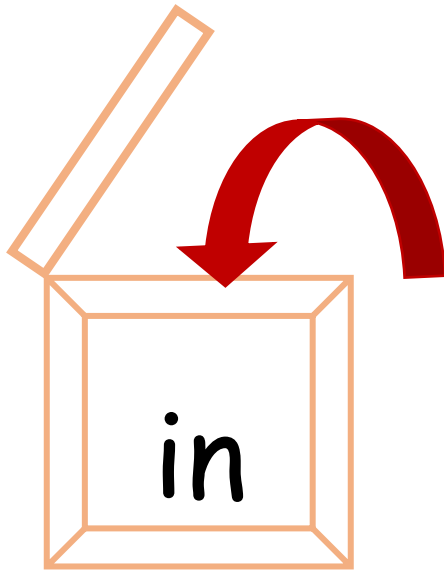


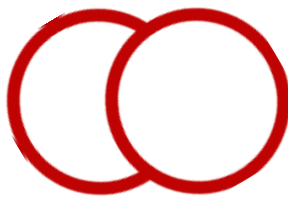
Aries



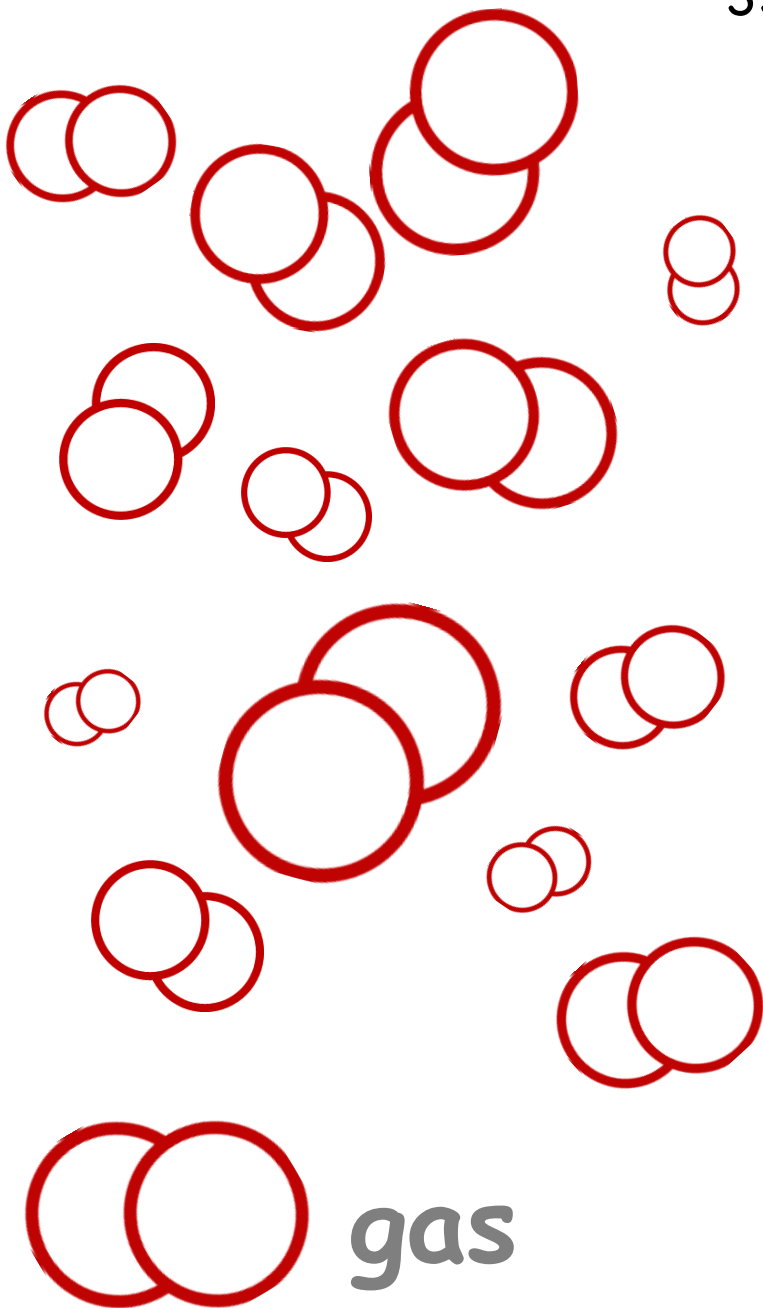
breathes

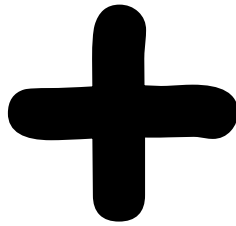






oxygen





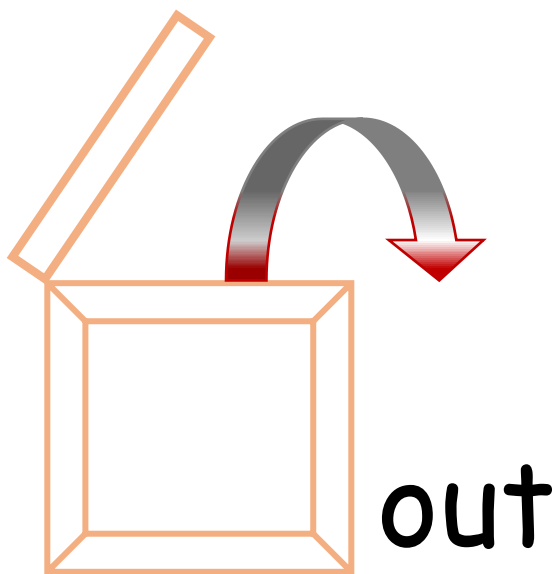
and

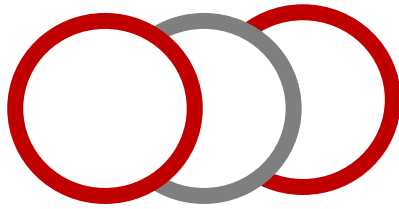






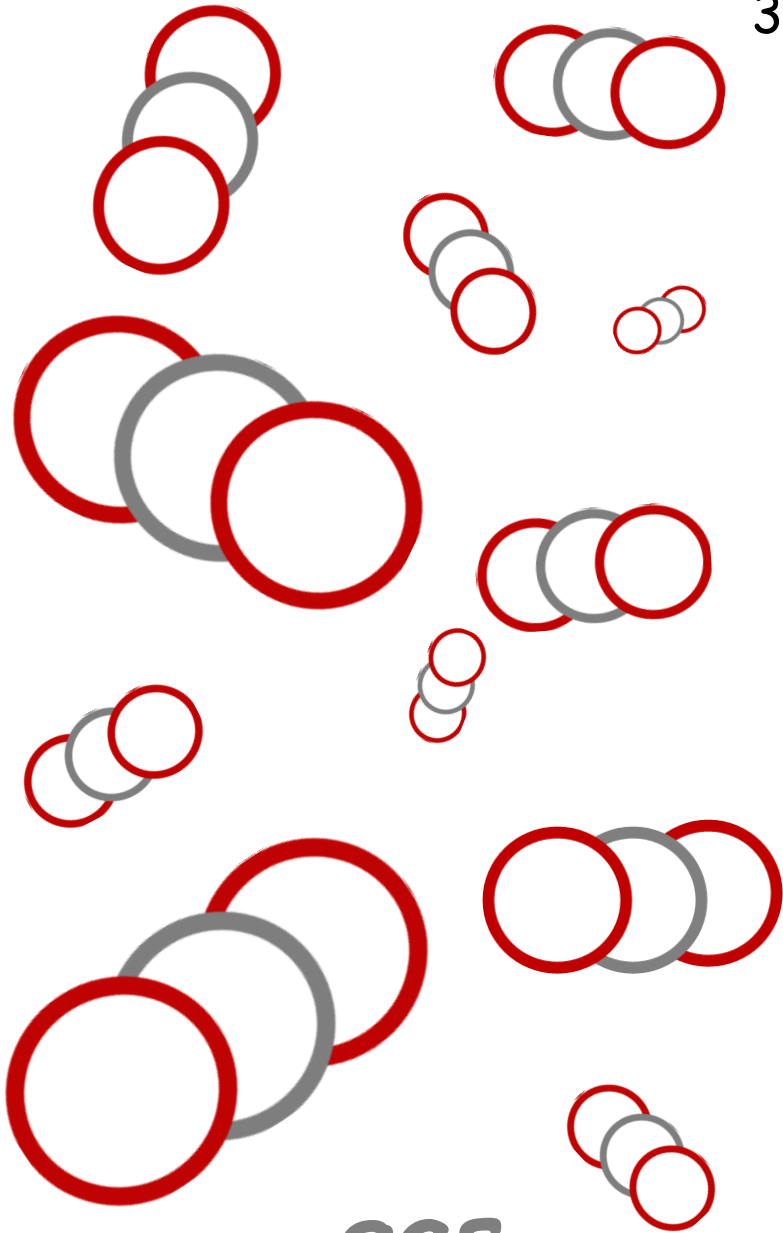
blows



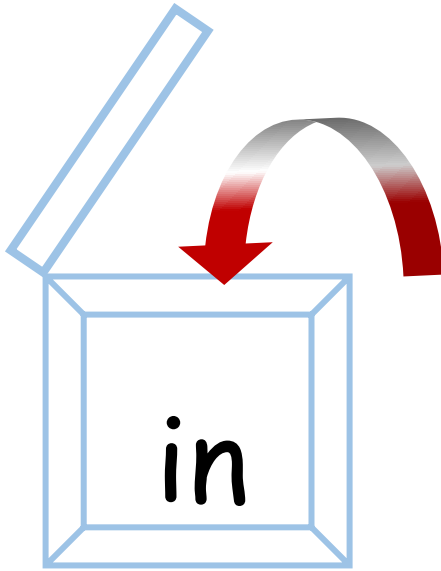


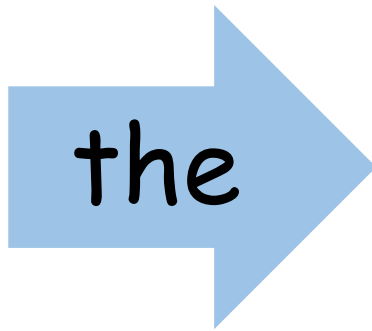
carbon dioxide

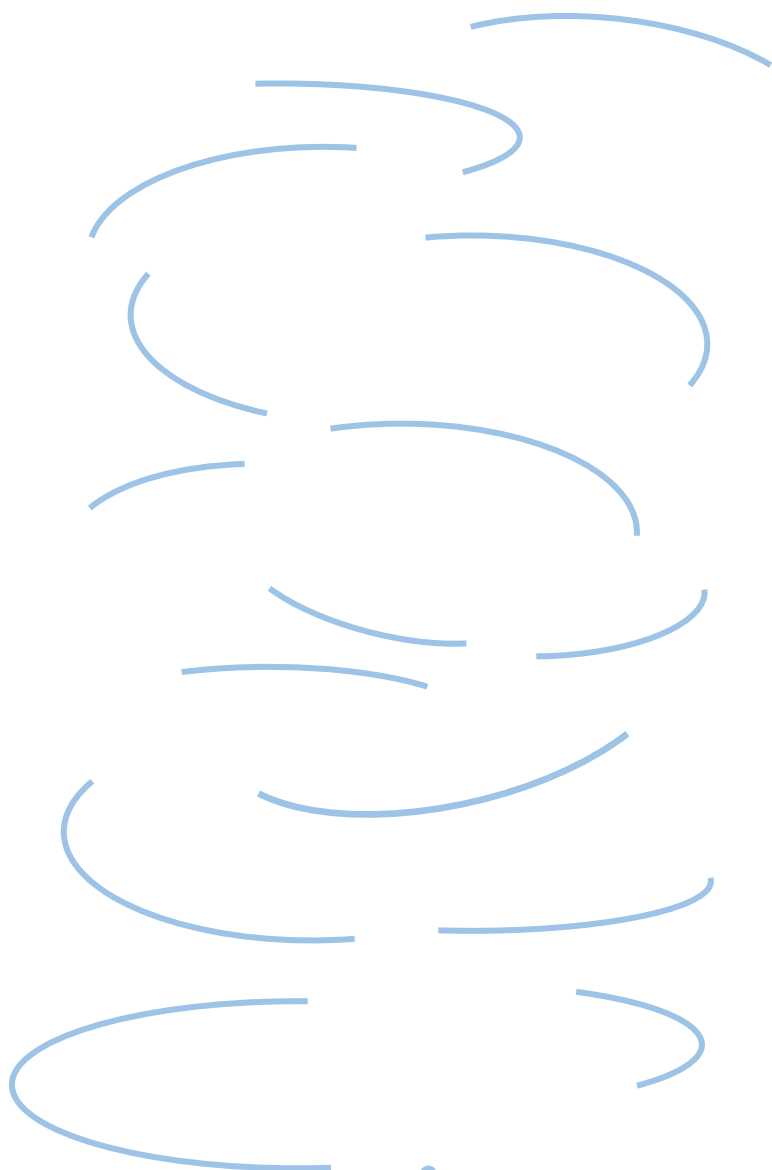
39



gas








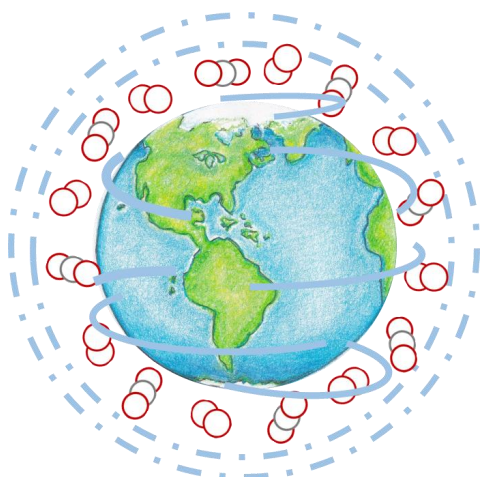


air.




Sasha and the cat Aries  
 breathes in  
 oxygen  gas  
 and blows out  
 carbon dioxide  gas  
 in  
 the air. 





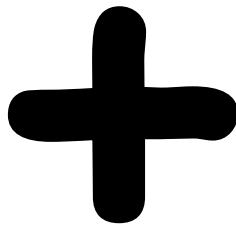
# Sentence

## 3

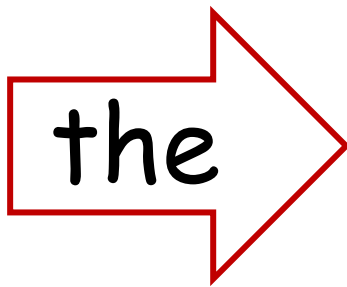
Sasha and the cat Aries  
helps the earth  
make  
oxygen  gas.



Sasha



and





cat



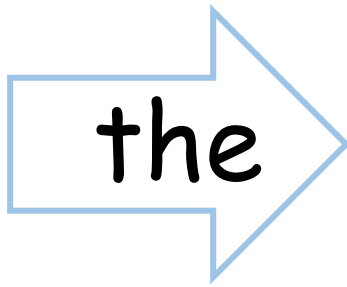
Aries



helps...

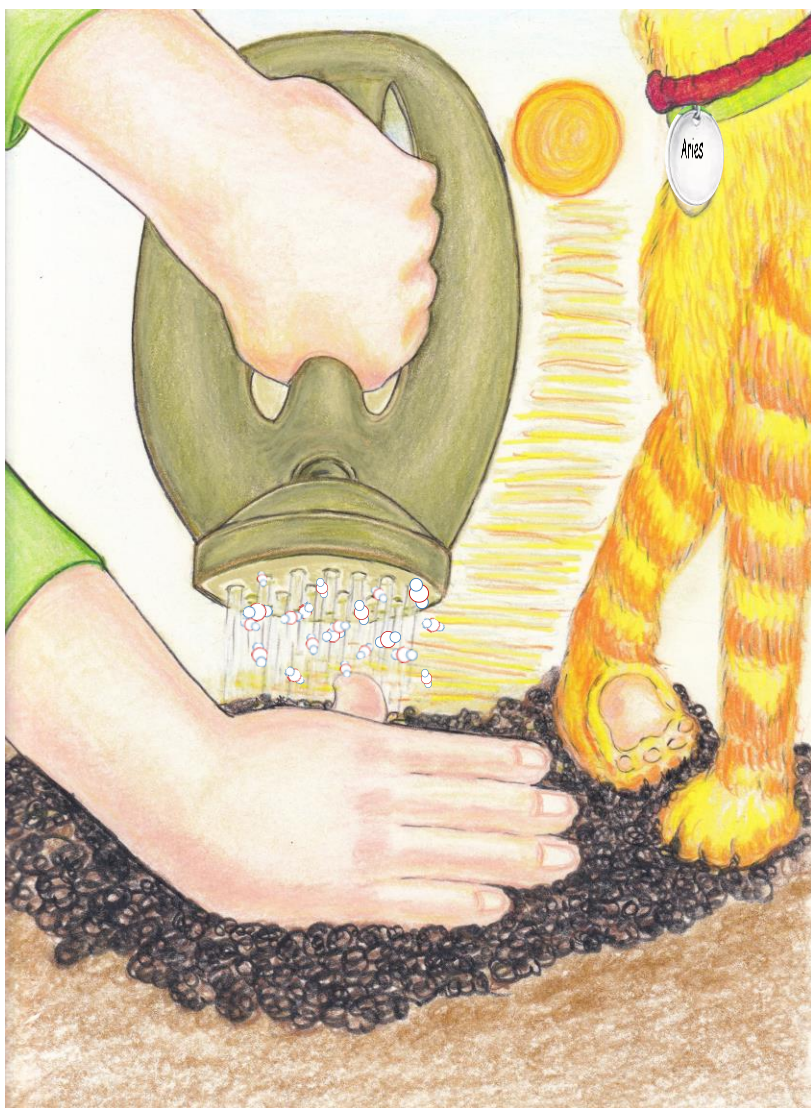








earth

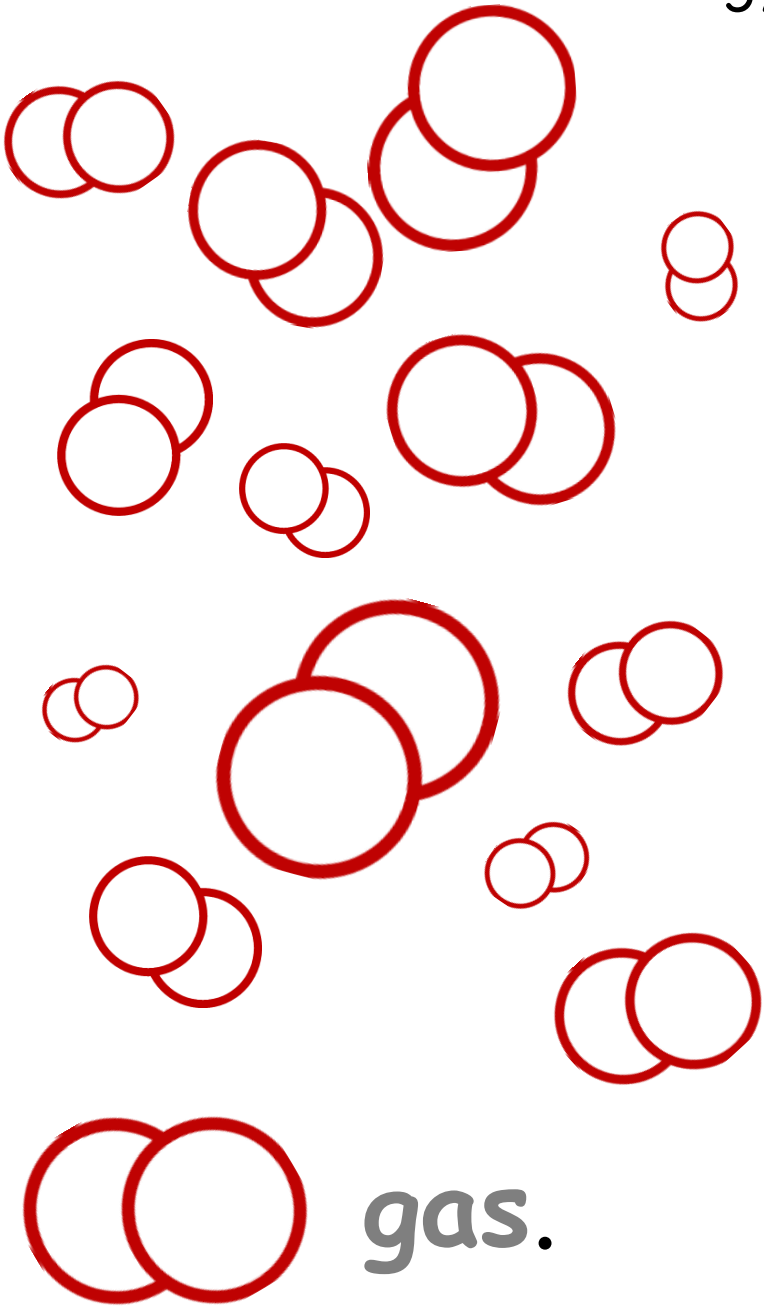


make

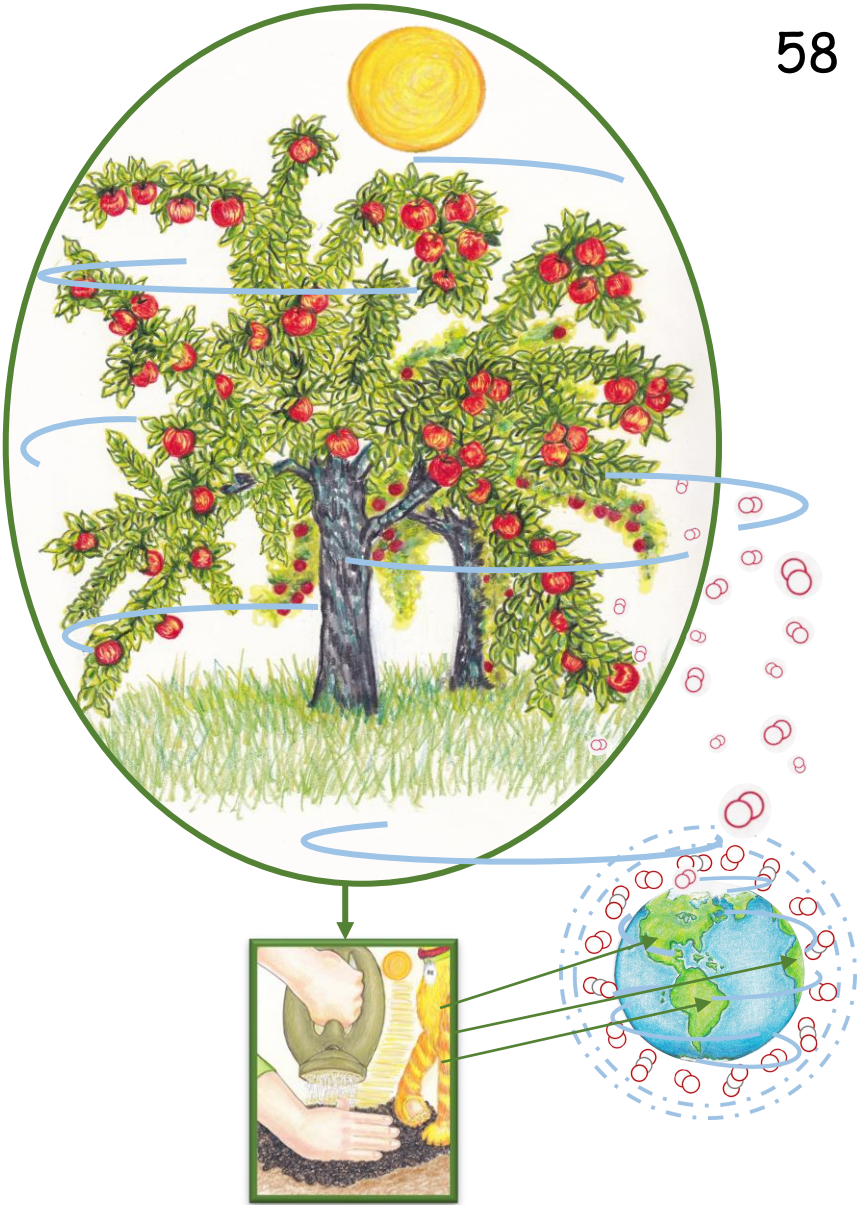





oxygen







Sasha and the cat Aries  
**helps** the earth  
**make**  
**oxygen**  **gas.**

# Sentence

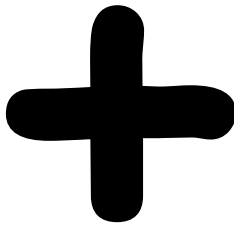
## 4

Sasha and the cat Aries  
digs a hole  
in the  
dirt.

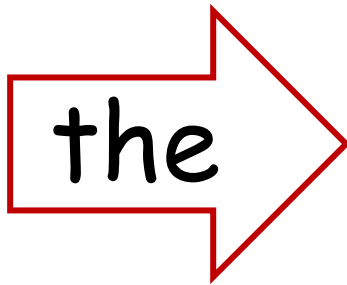




Sasha



and





cat



Aries



digs

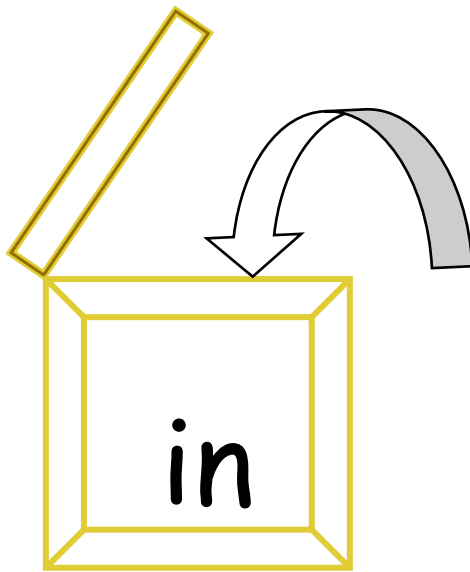
# 1

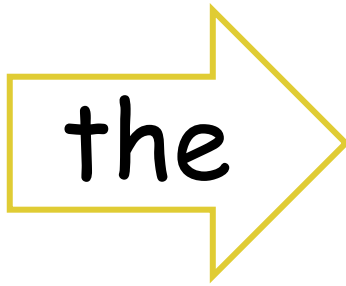
a



hole









dirt.



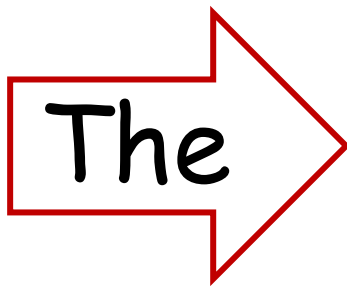
Sasha and the cat Aries  
digs a hole  
in the  
dirt.



*Sentence*

## 5

The cat Aries  
poops  
in the hole.





cat

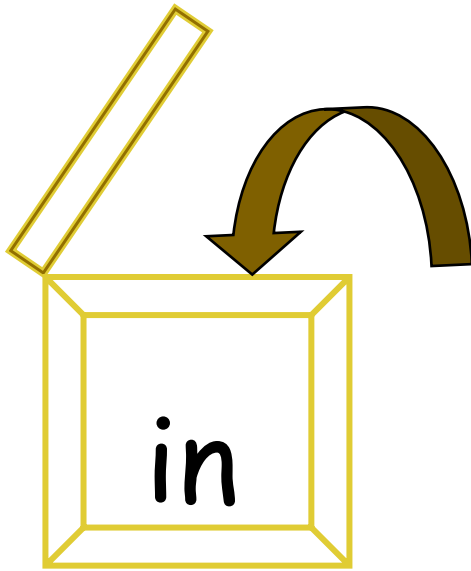


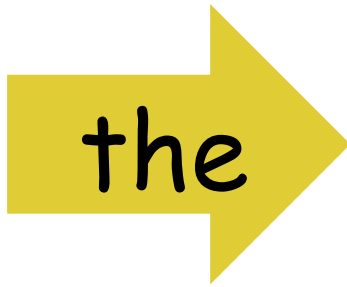


Aries



poops







hole.



The cat Aries  
poops  
in the hole.

*Sentence*

## 6

Sasha places a seed  
in the hole  
with  
the poop.



Sasha





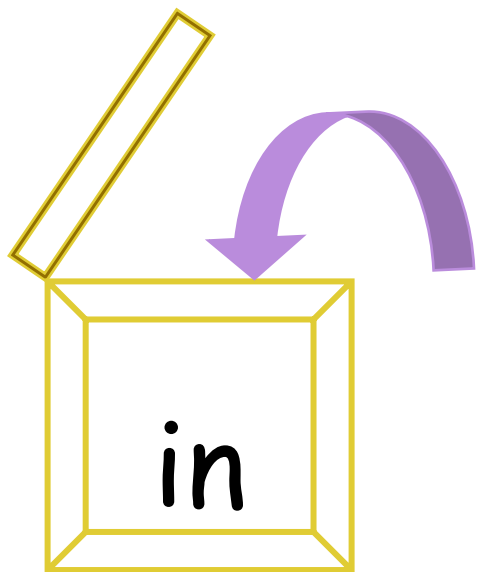
places

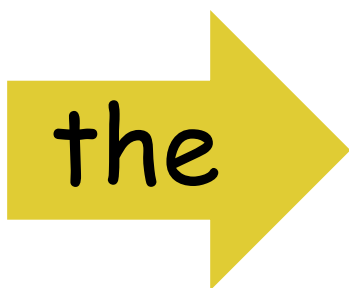
1

a



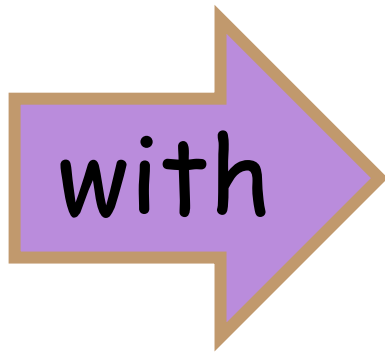
seed

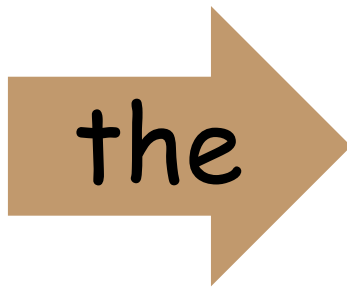






hole









poop.



Sasha places a **seed**  
in the hole  
with  
the **poop**.



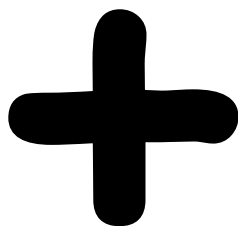
# Sentence

## 7

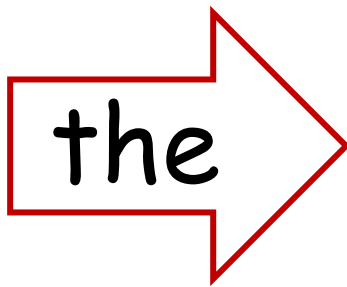
Sasha and the cat Aries  
covers  
the poop  
and seed  
with dirt.



Sasha



and





cat

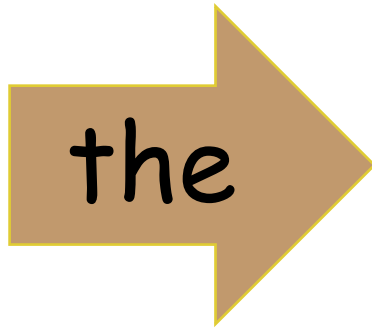




Aries

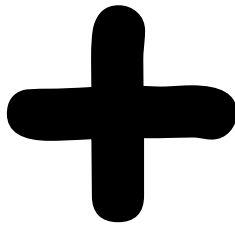


**covers**





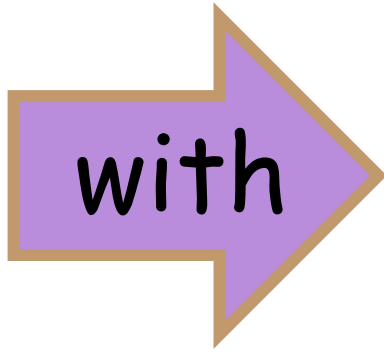
poop



and



seed





dirt.





Sasha and the cat Aries  
covers  
the **poop**  
and **seed**  
with **dirt**.

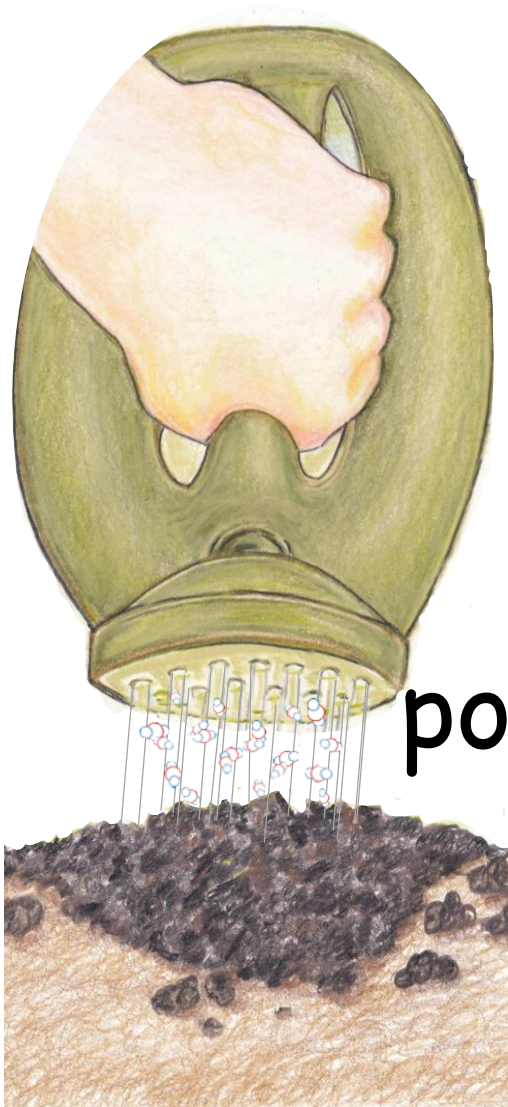
*Sentence*

## 8

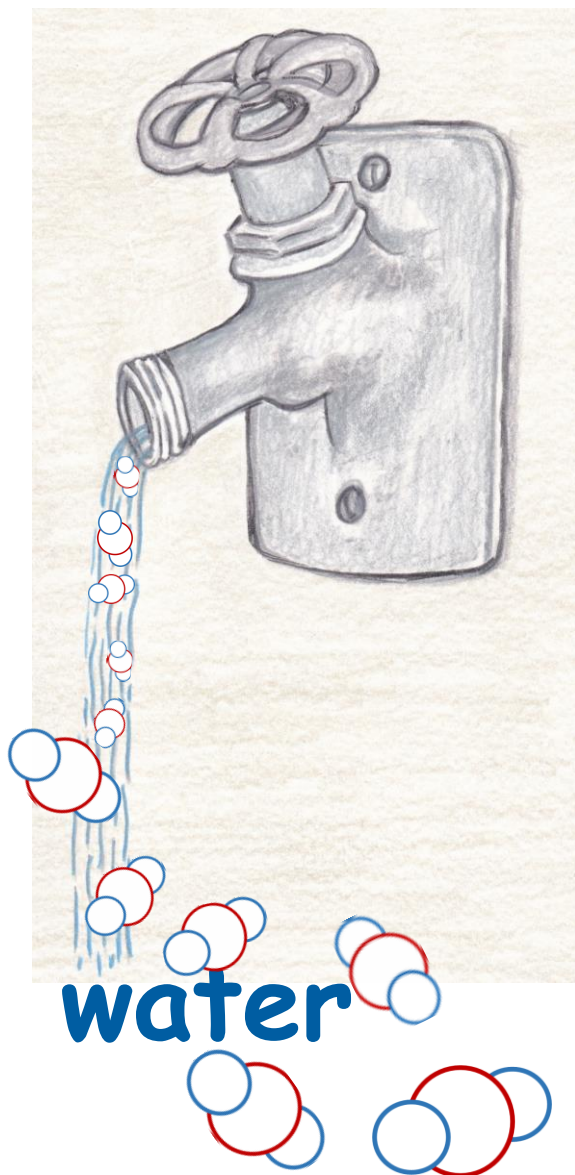
Sasha pours **water**   
on  
the covered  
**seed** and **poop**.



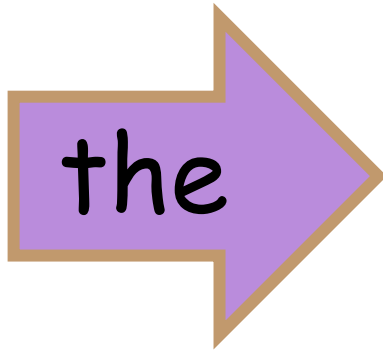
Sasha



pours







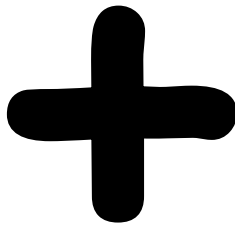


covered





seed



and



poop.



Sasha pours **water**   
on  
the covered

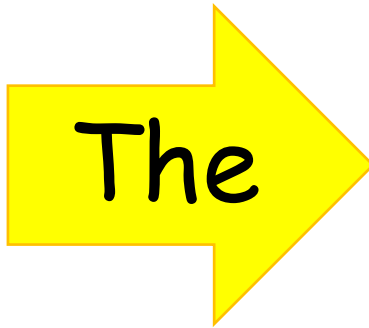
**seed** and **poop**.



*Sentence*

## 9

The sunlight's  
on  
the covered  
seed and poop.

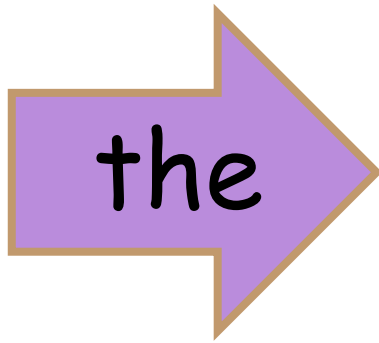




sunlight's

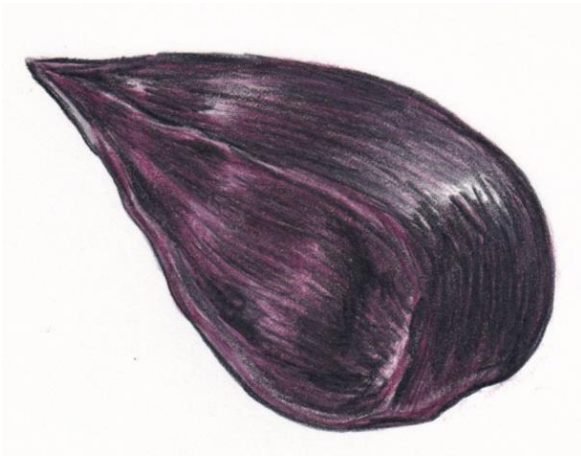




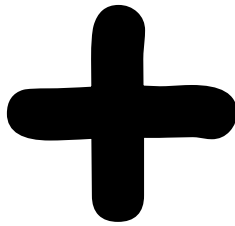




covered



seed



and




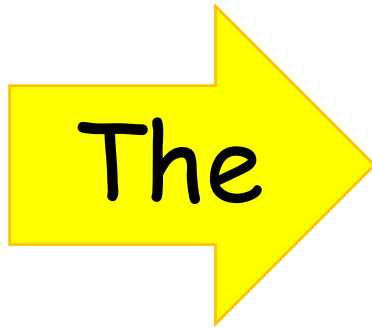
poop.



The **sunlight's**  
on  
the covered  
**seed** and **poop**.

*Sentence**10*

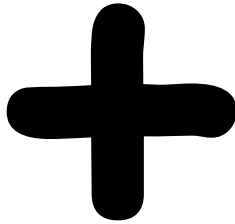
The **sunlight** and **water**   
**makes**  
a **steam**  
in  
the **dirt**  
and  
the **seed** **hatches**.



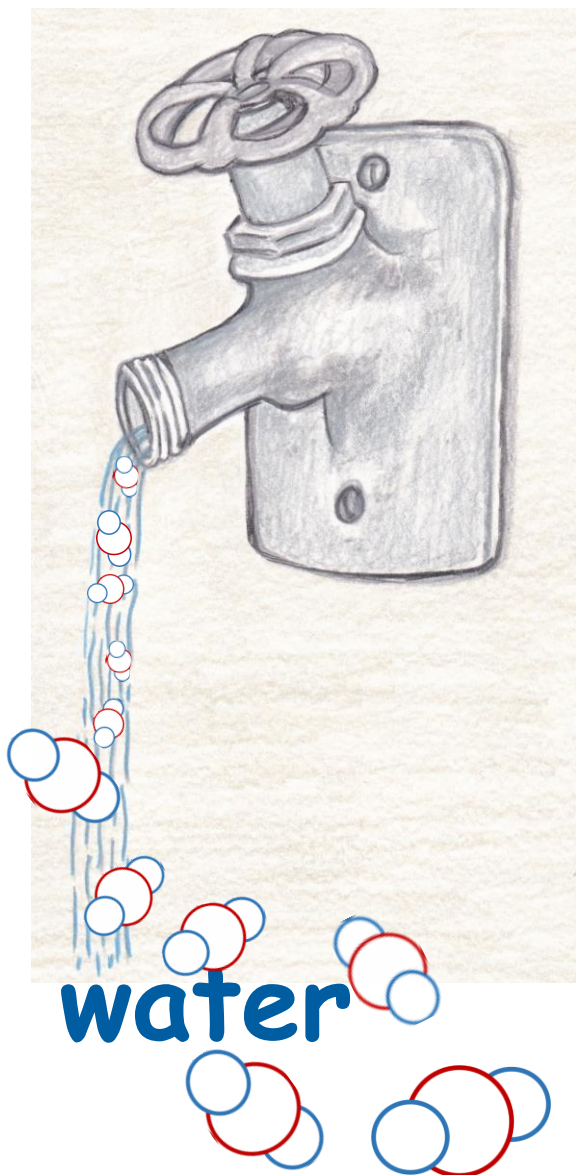


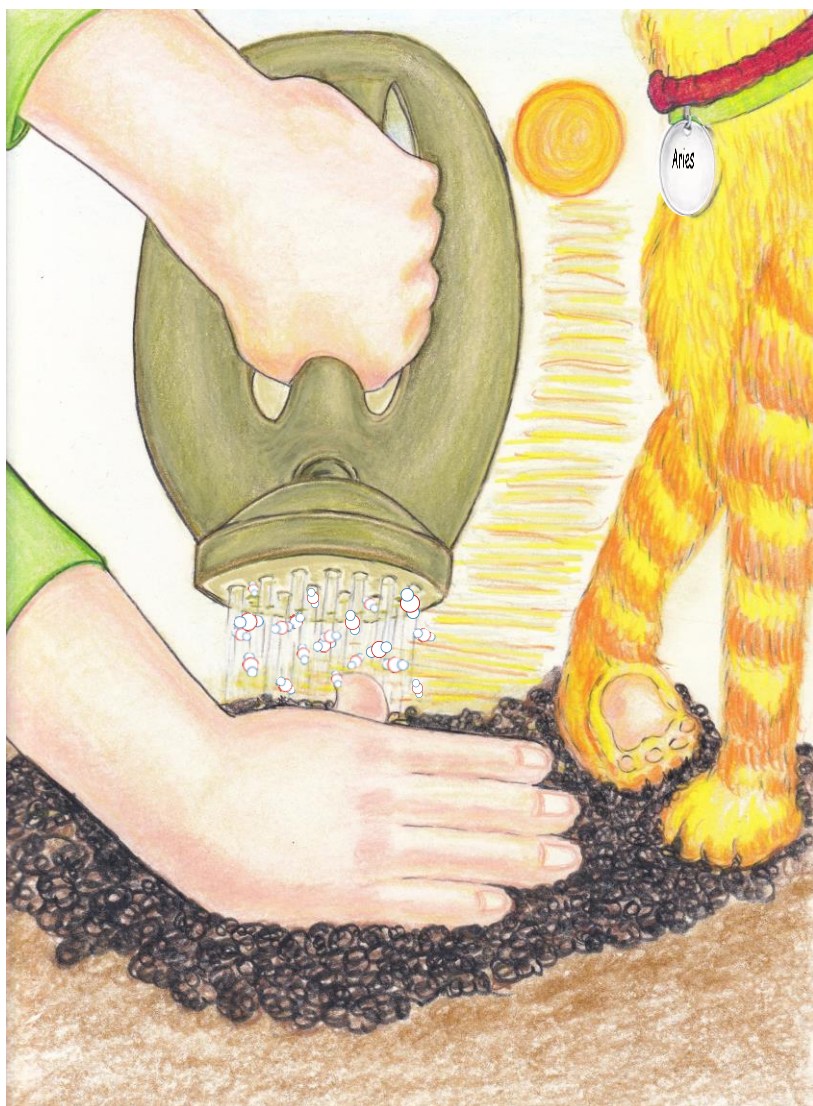


**sunlight**



and





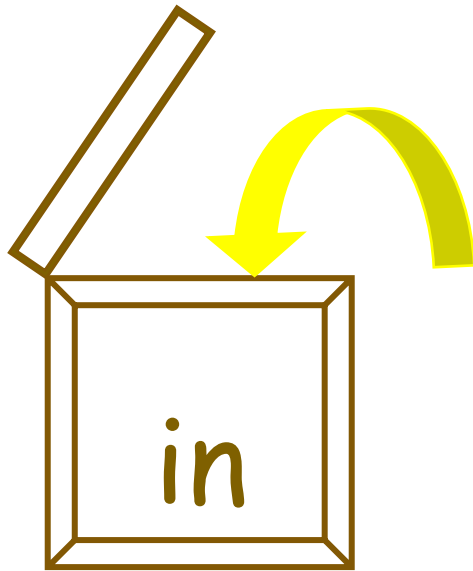
makes

# 1

a



steam



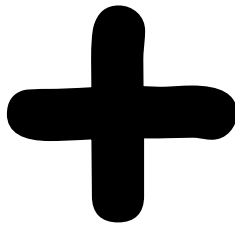


the





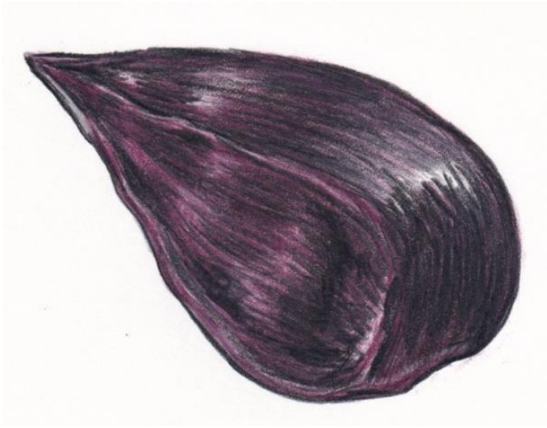
dirt



and



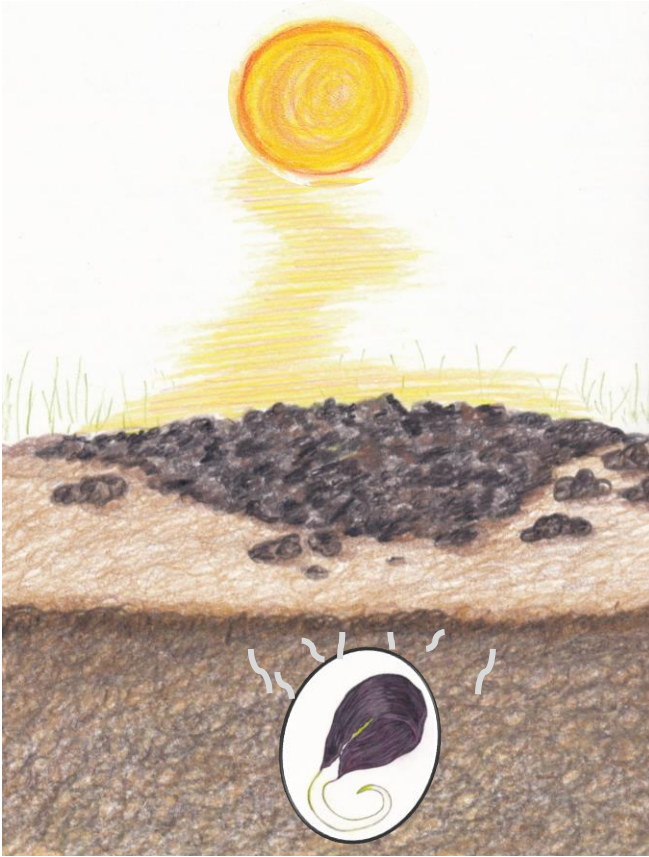
the




seed



hatches.



The **sunlight** and **water**   
**makes**  
a steam  
in  
the **dirt**  
and  
the **seed hatches**.

# Sentence

## 11

The hatched seed  
grows roots down  
in  
the dirt  
eats poop  
and  
a stem  
pushes up  
through  
the dirt  
into  
the  
air.

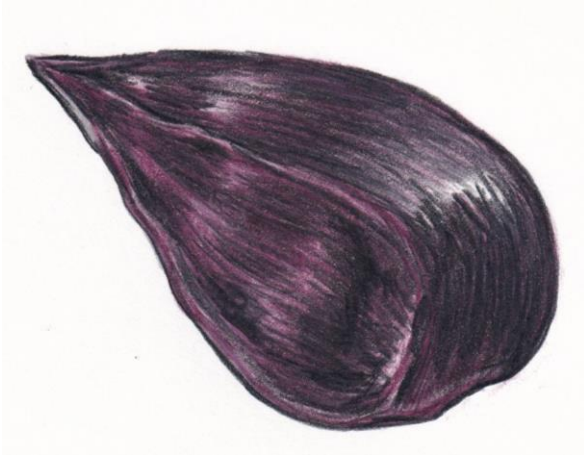


The





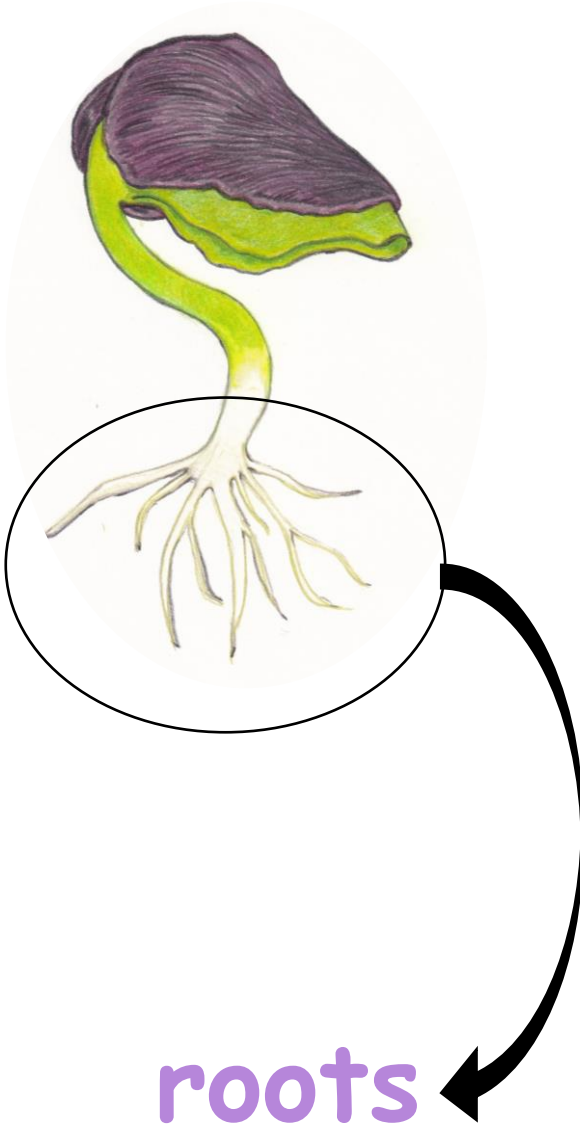
hatched



seed

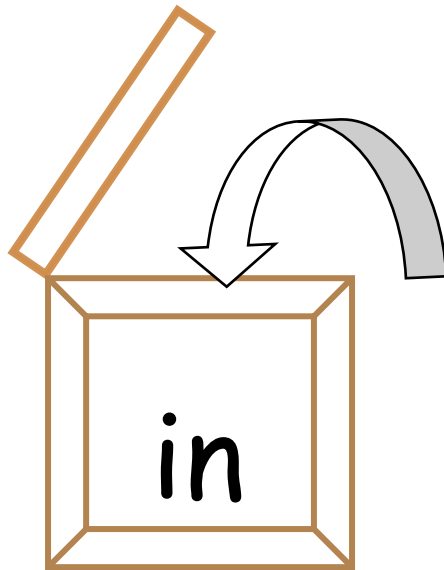


**grows**





down





the



dirt

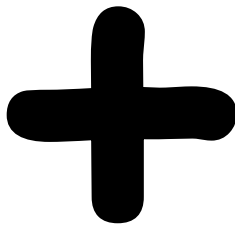




eats



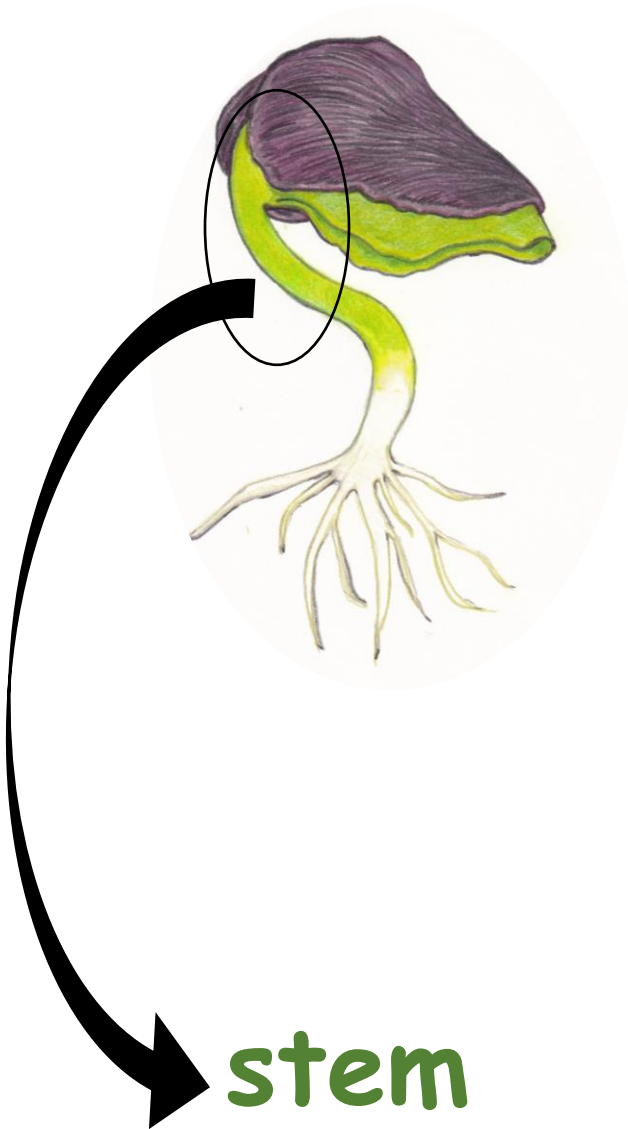
poop



and

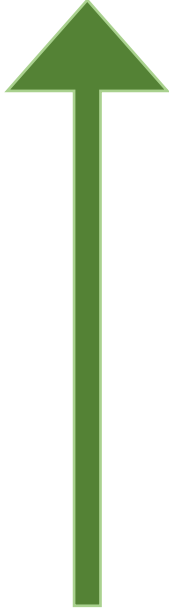
1

a

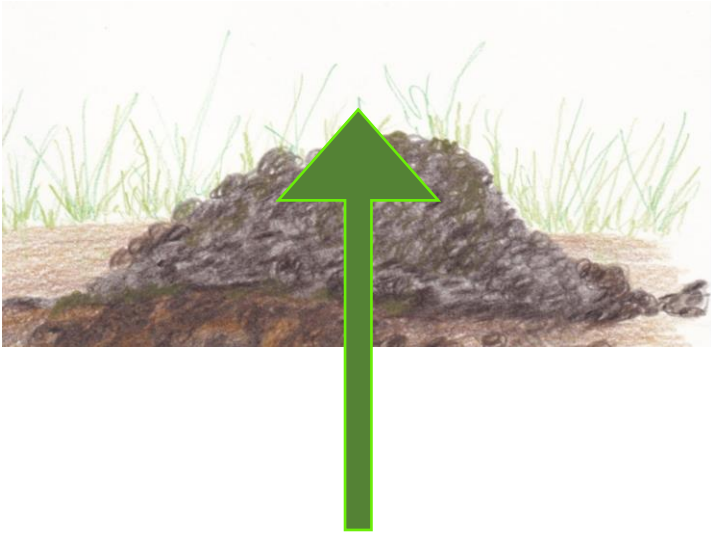




162



up



through





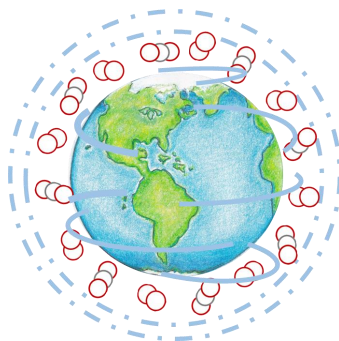
the

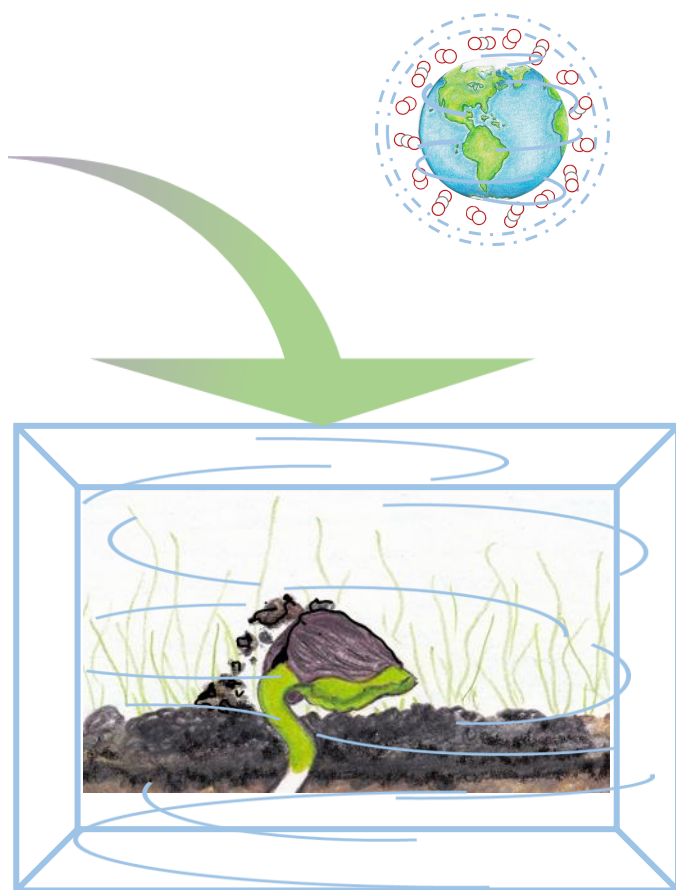


dirt



into







the






The **hatched** **seed**  
**grows** **roots** down  
in  
the **dirt**  
eats **poop**  
and  
a **stem**  
pushes up  
through  
the **dirt**  
into  
the  
**air**.

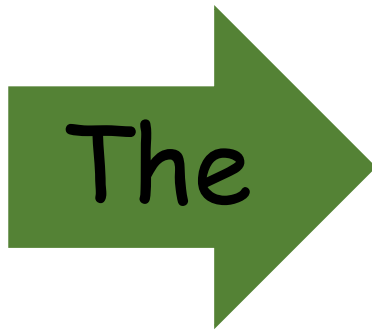


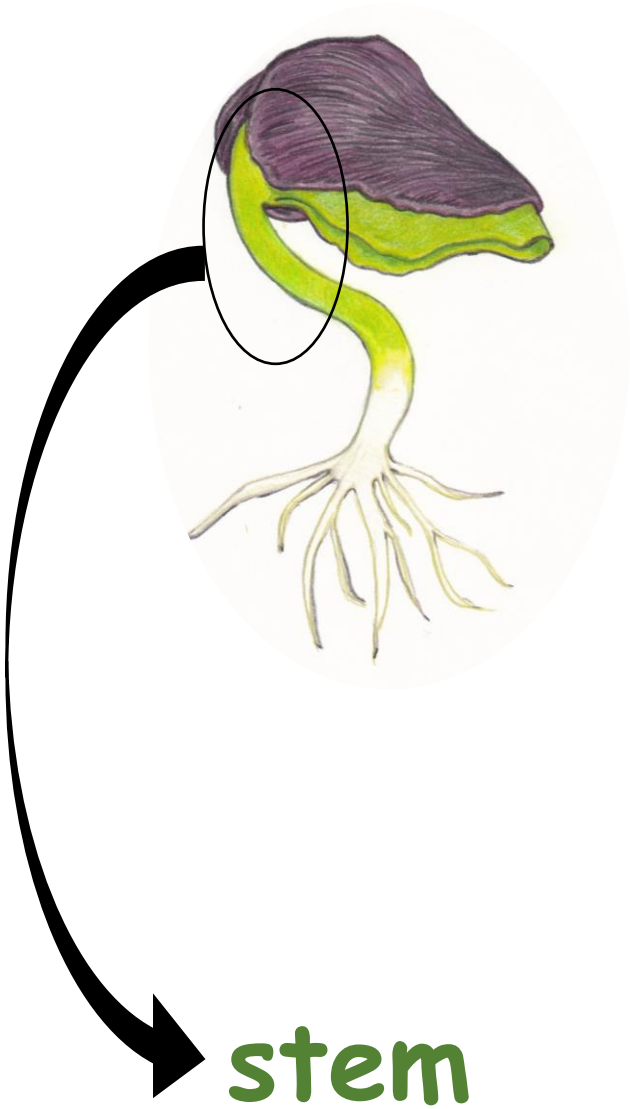


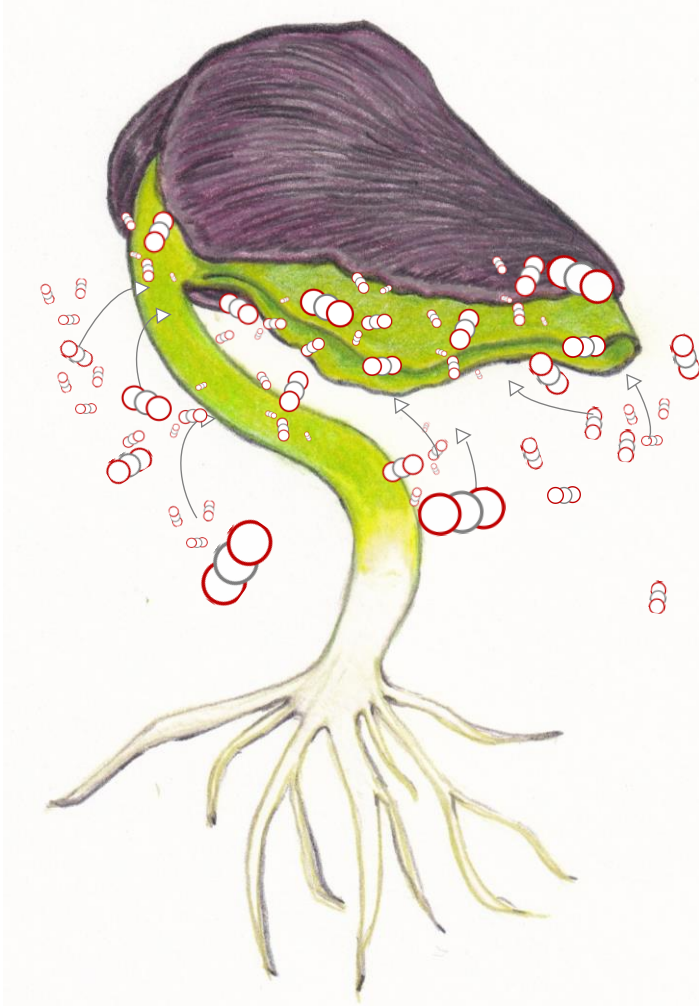
## Sentence

## 12

The **stem** eats  
carbon dioxide  gas  
and **grows**  
into  
a **plant**.





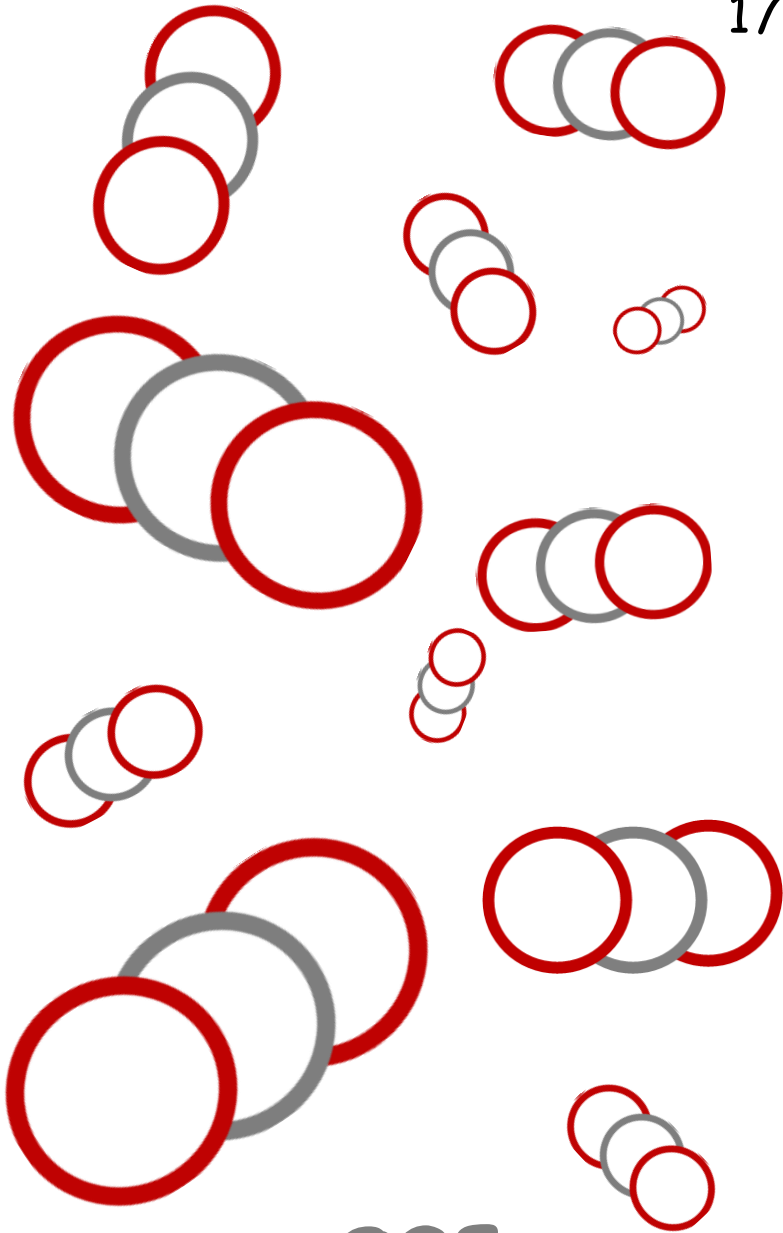


eats

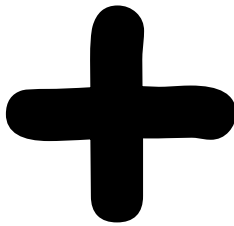


carbon dioxide

177



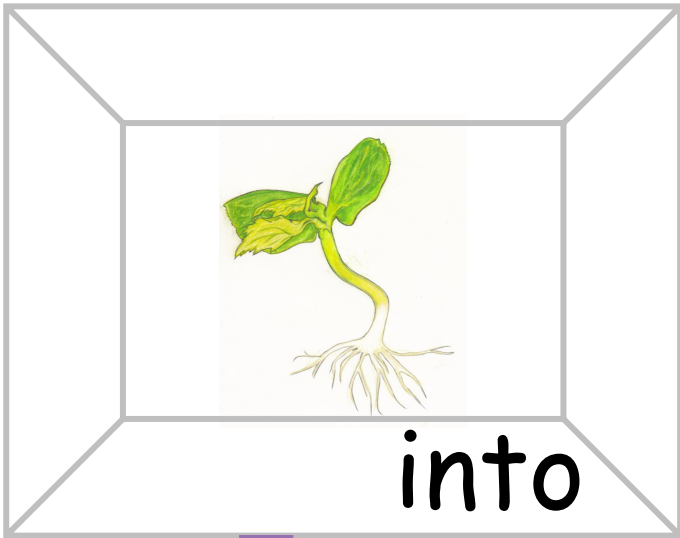
gas

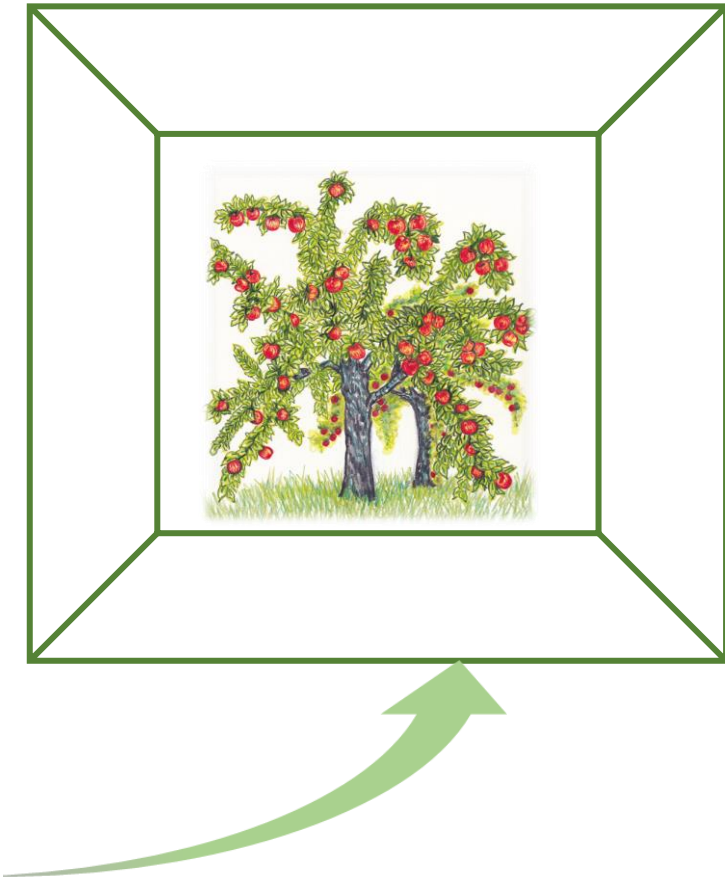


and







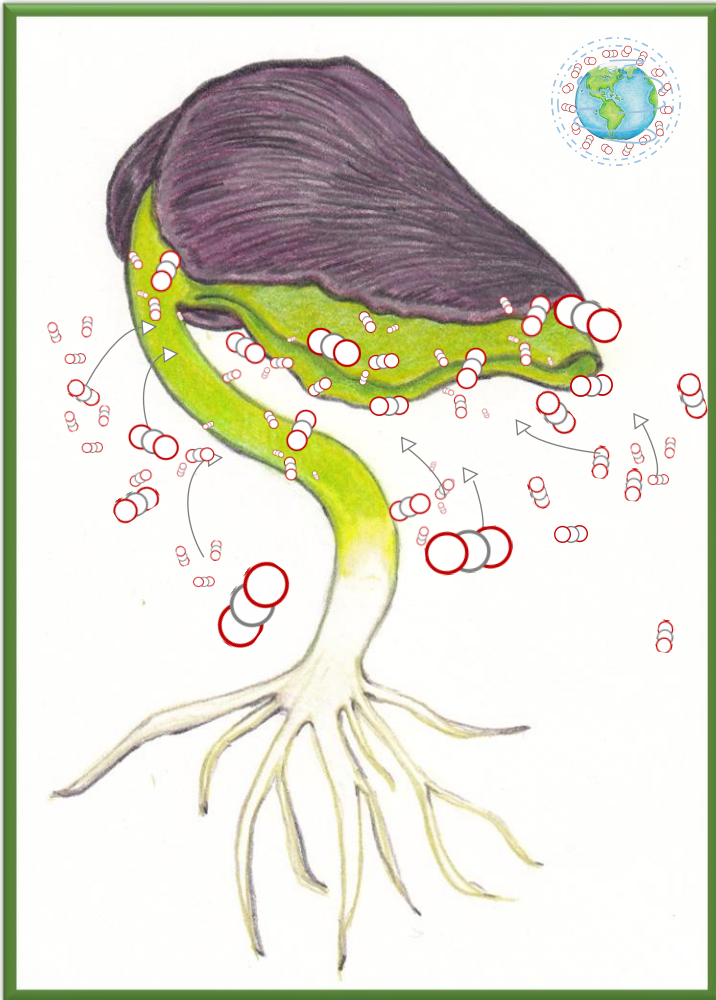



1

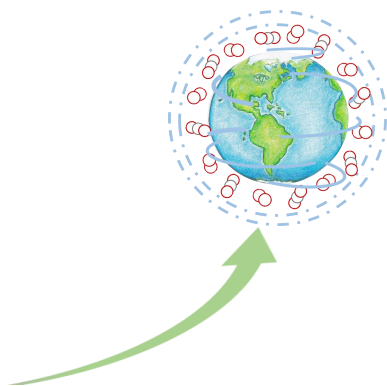
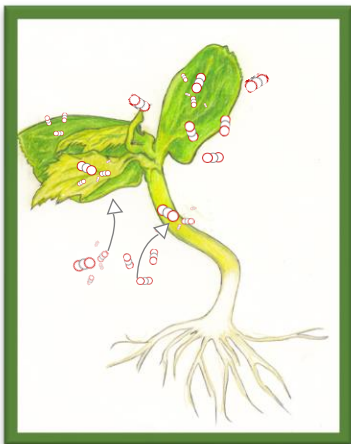
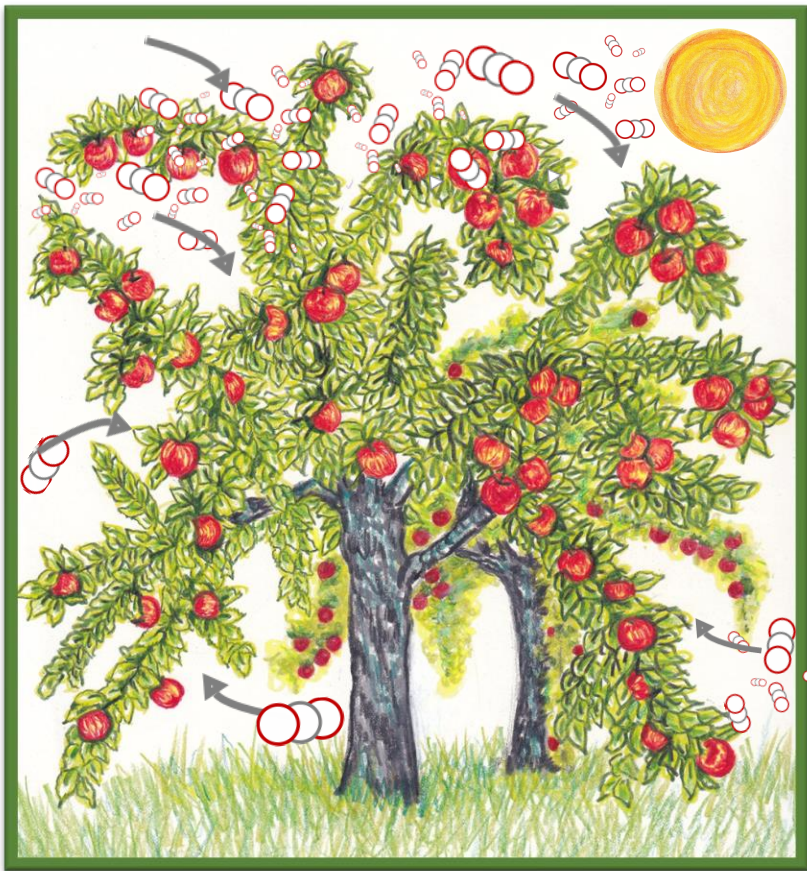
a



plant.




The **stem** eats  
**carbon dioxide**  gas  
 and **grows**  
 into  
 a **plant**.



## Sentence

## 13

The sunlight  
heats the green  
in the plant  
that pulls apart  
the water   
in  
the plant  
and  
makes  
oxygen  gas.

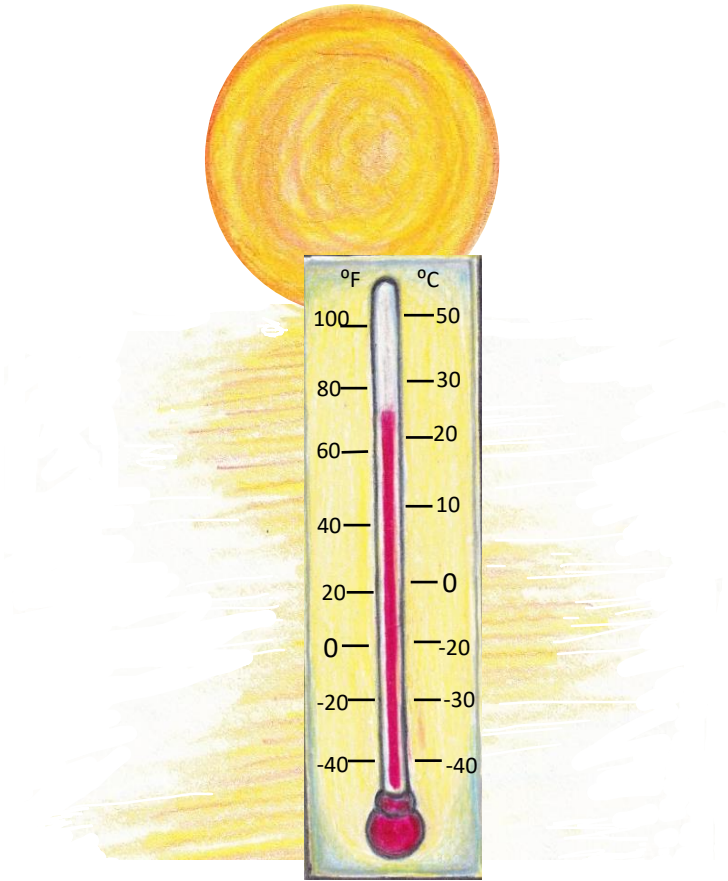


The

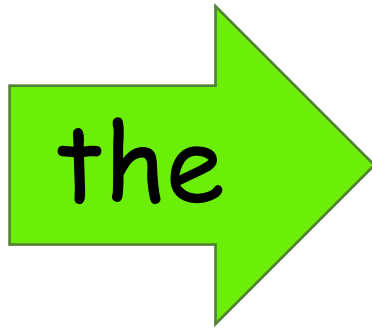


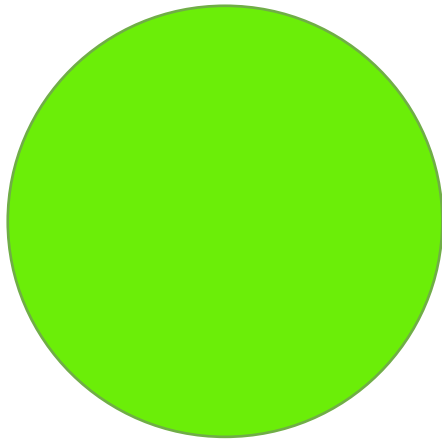


**sunlight**

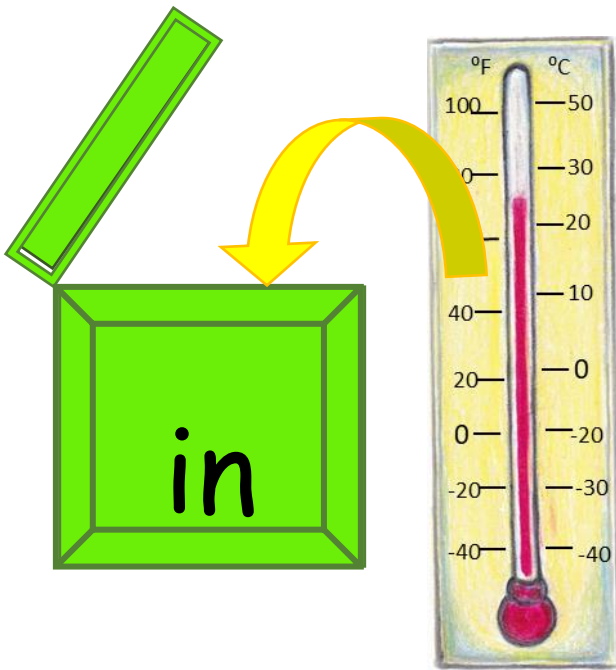


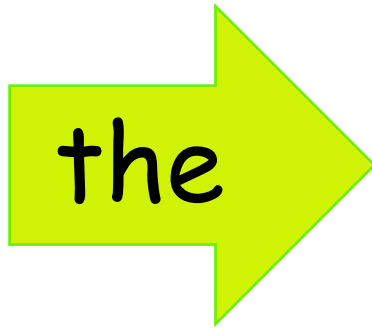
heats





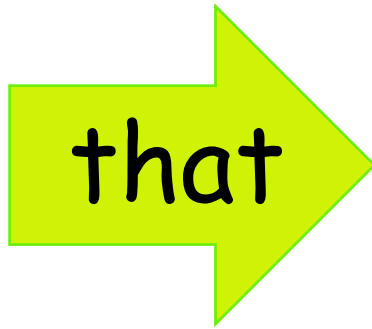
green





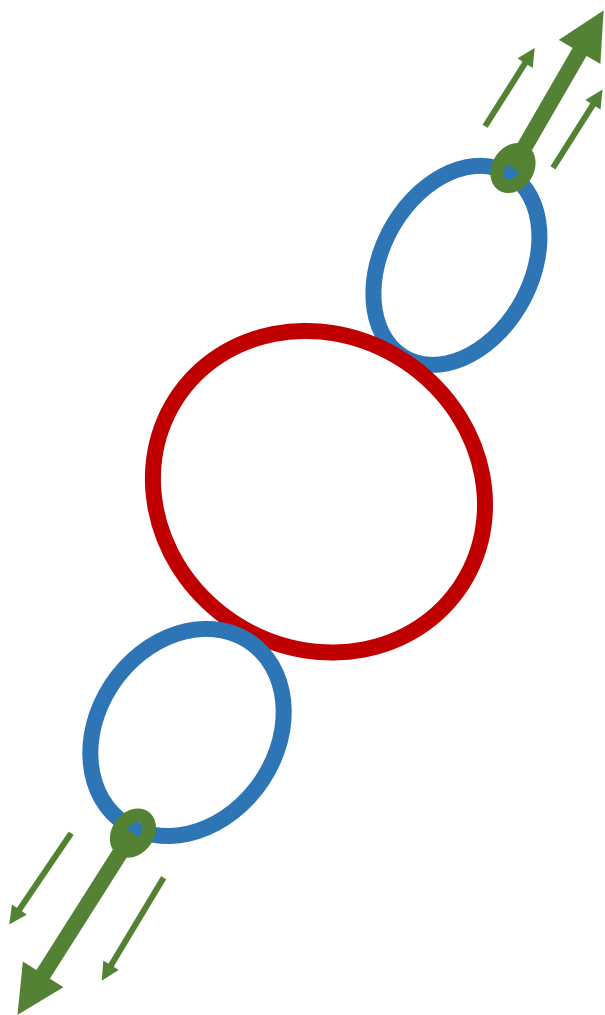


plant

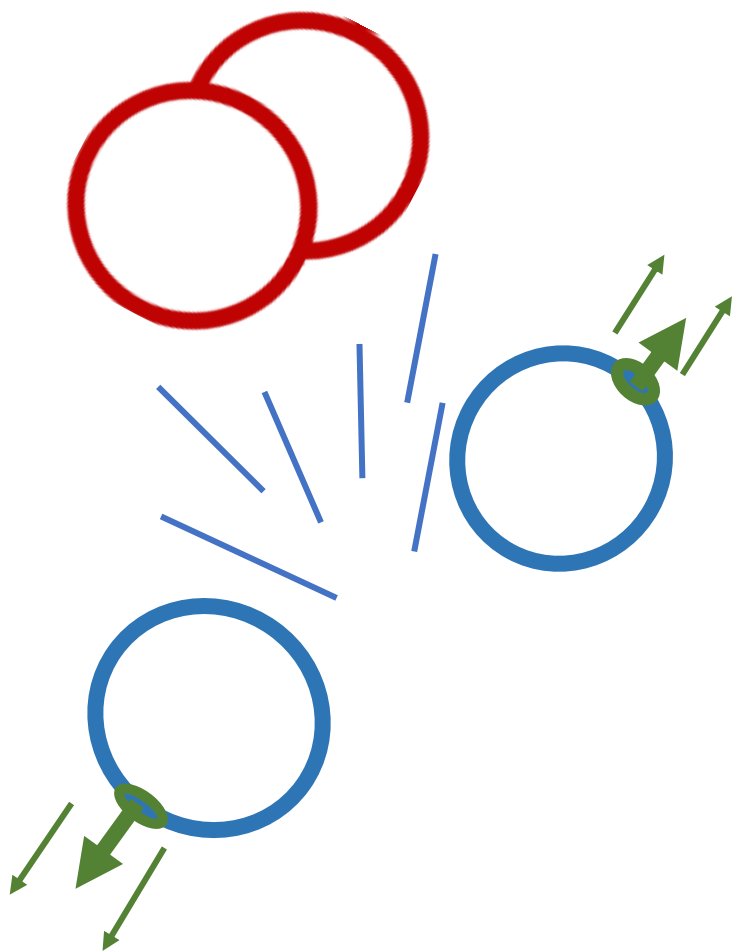




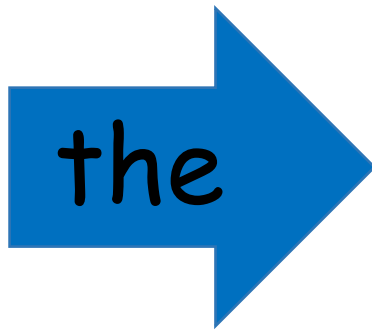
196

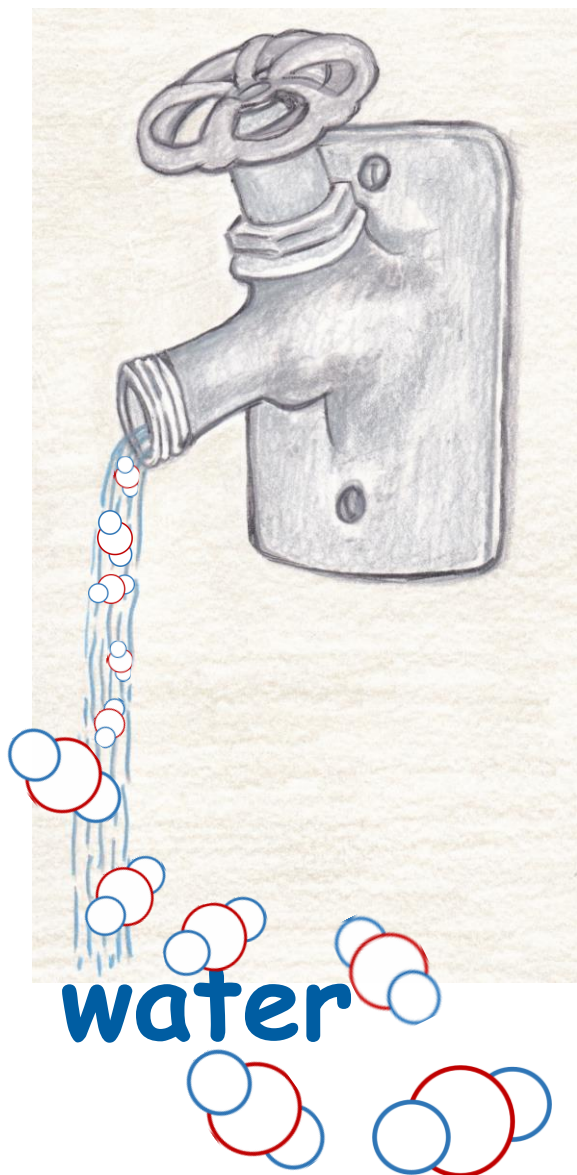


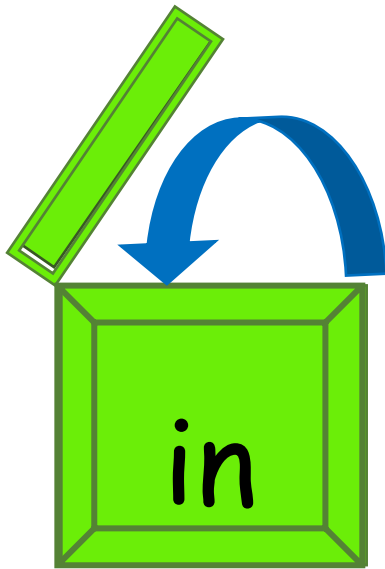
pulls

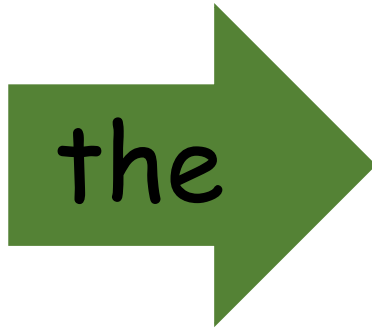


apart



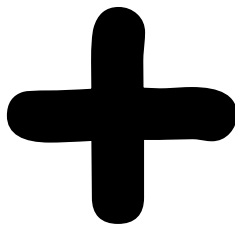








plant

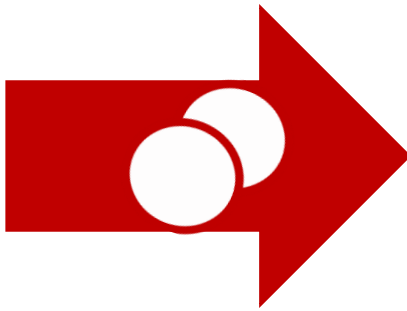


and



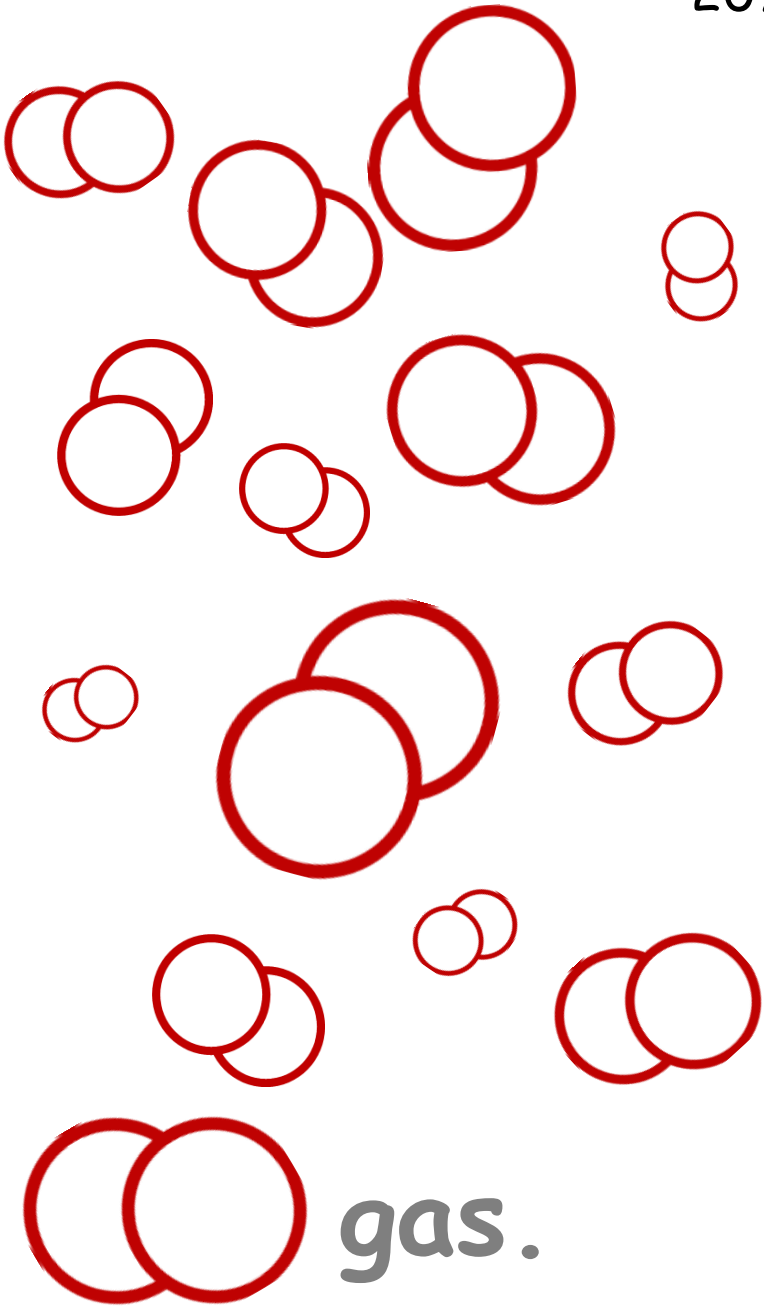


makes





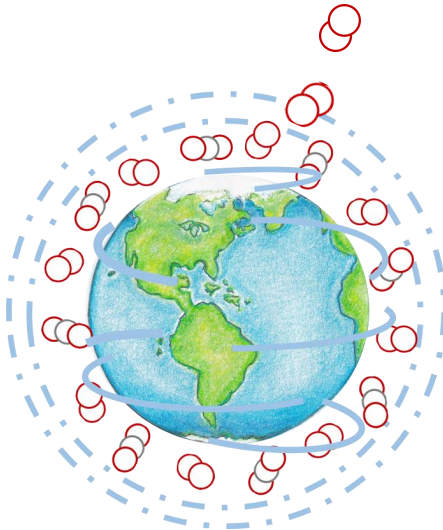


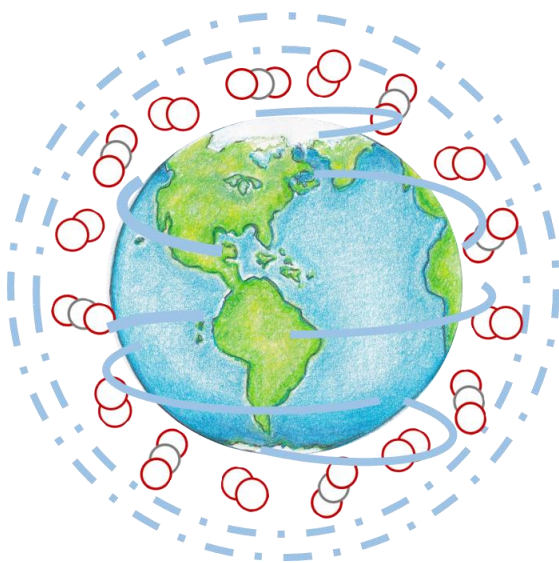
oxygen









The **sunlight**  
**heats** the **green**  
in the **plant**  
that pulls apart  
the **water**   
in  
the **plant**  
and  
**makes**  
**oxygen**  **gas.**





## Sentence

## 14

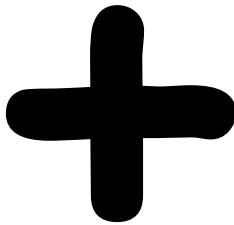
Sasha and the cat Aries  
 helps make  
 oxygen  gas  
 by planting  
 a seed hatches  
 grows roots that eats poop  
 the stem eats  
 carbon dioxide  gas  
 and grows into a plant  
 that makes  
 oxygen  gas  
 with help  
 from the sun  
 to pull water   
 apart  
 in the green  
 in the plant  
 for us to breathe  
 to keep  
 the  
 earth  
 alive.



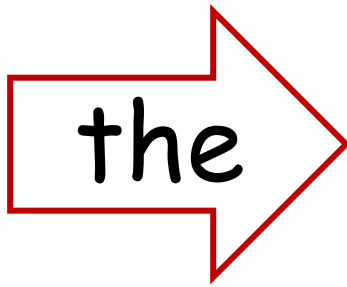


Sasha

213



and





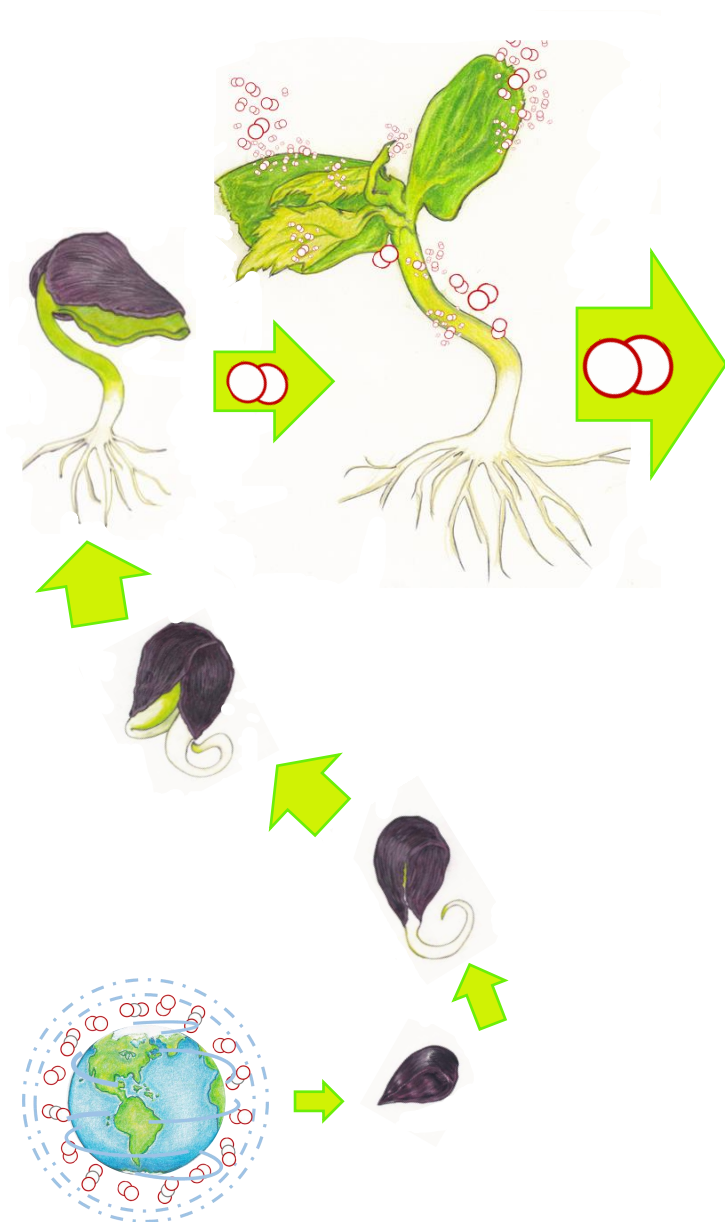
cat



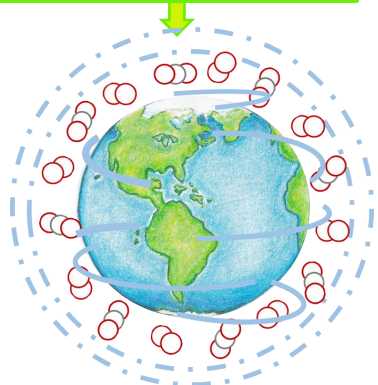
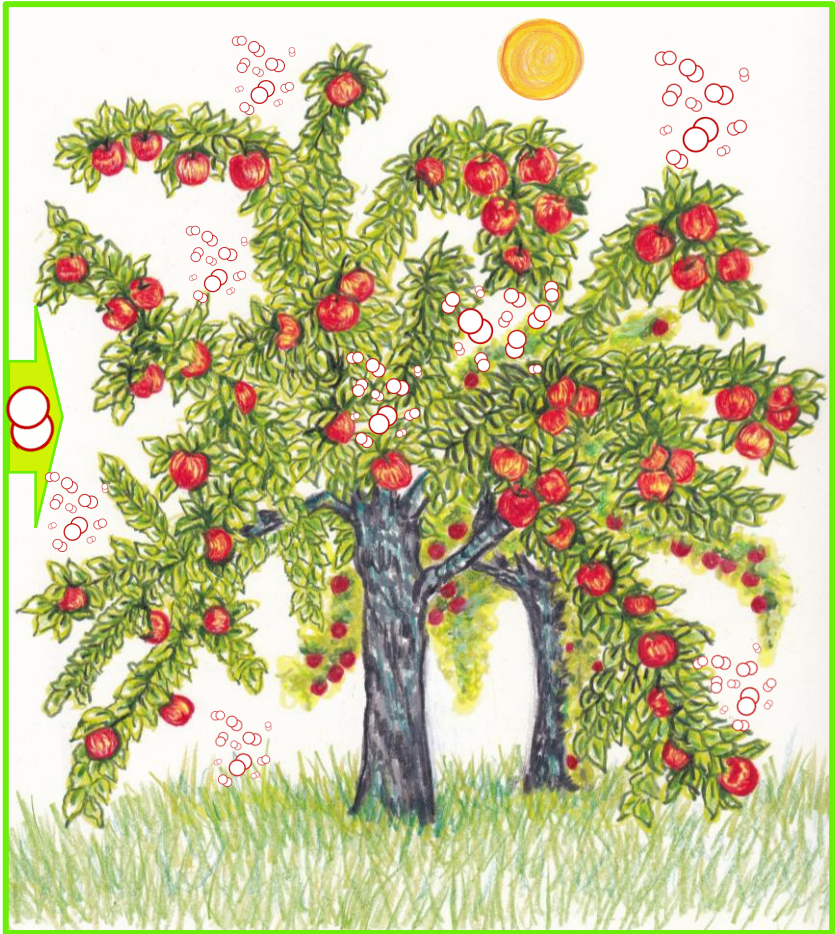
Aries



helps 



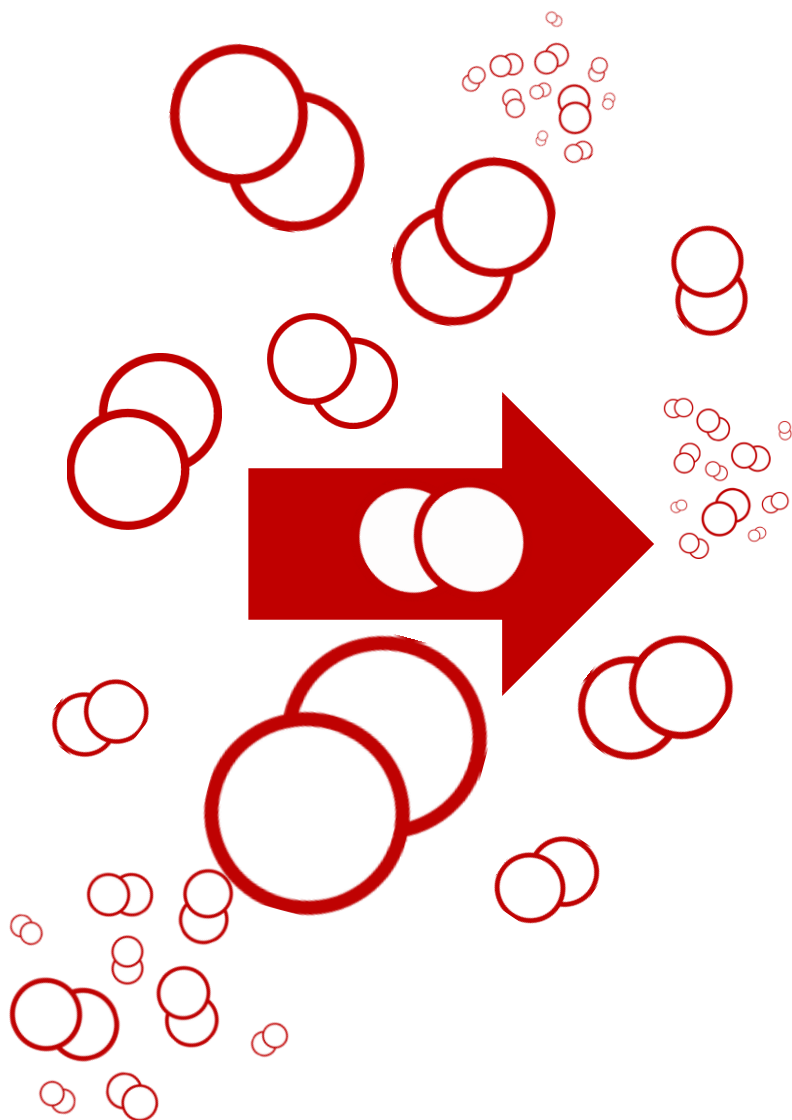








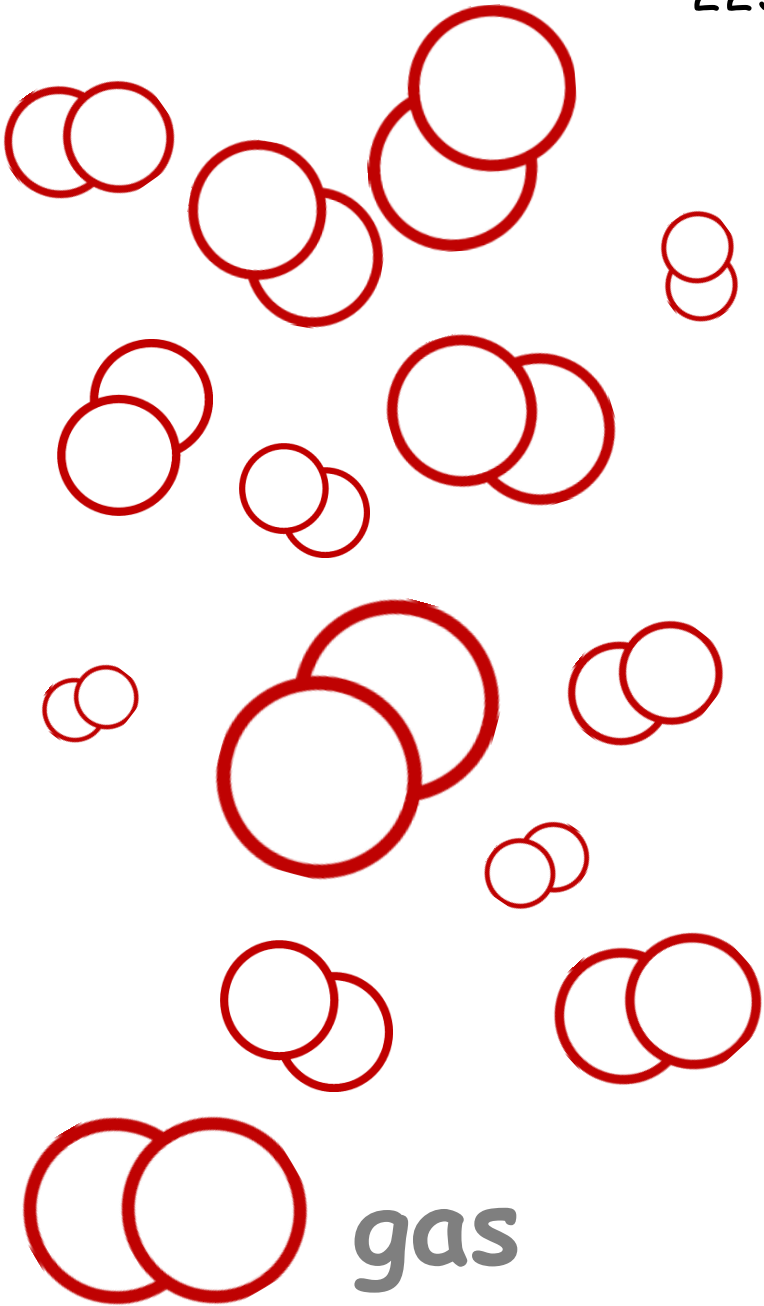
make

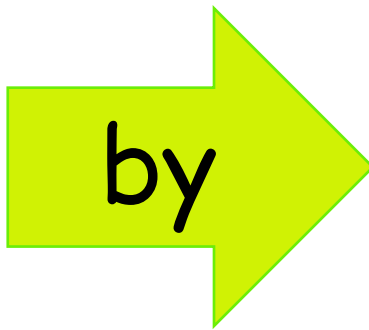


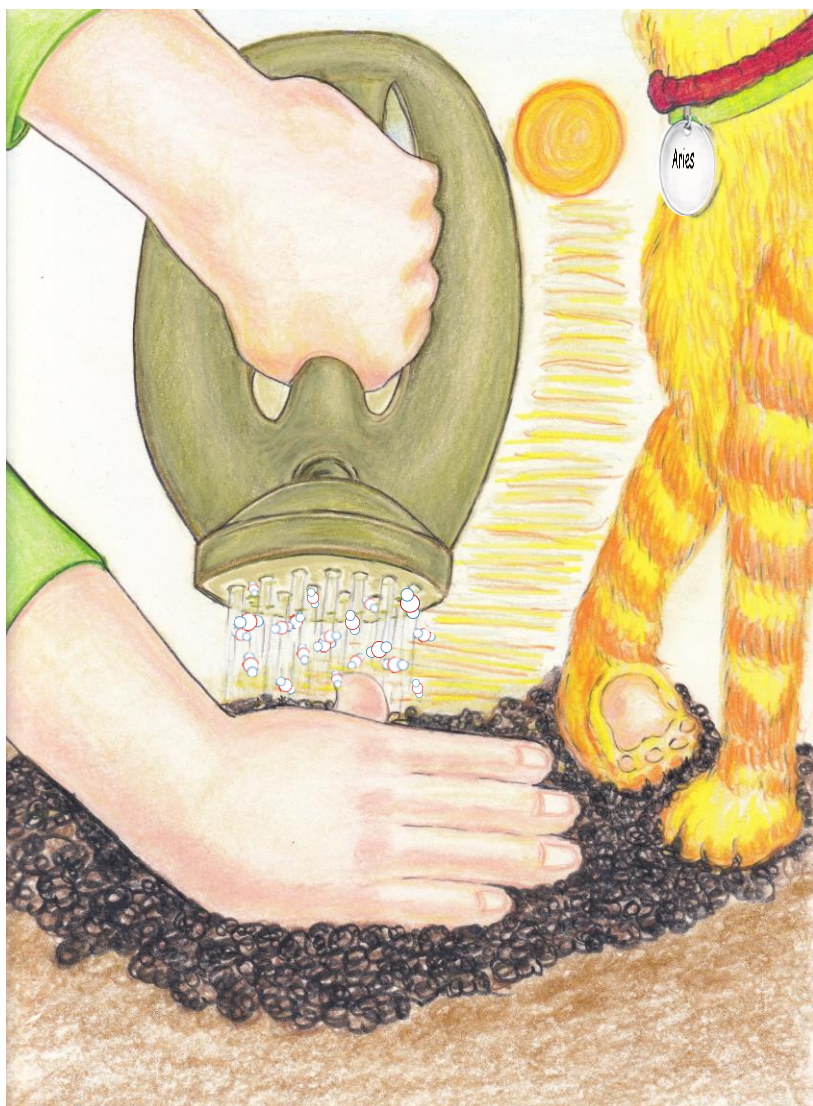
222



oxygen





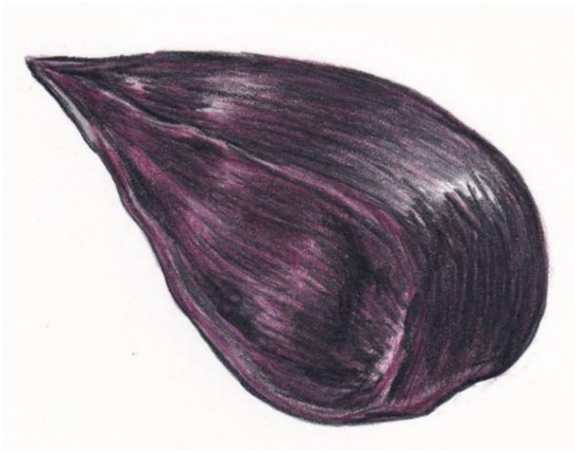


planting



1

a

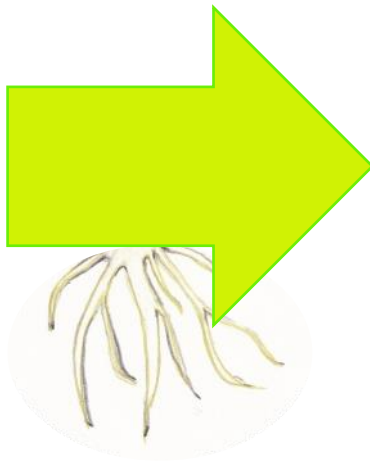


seed



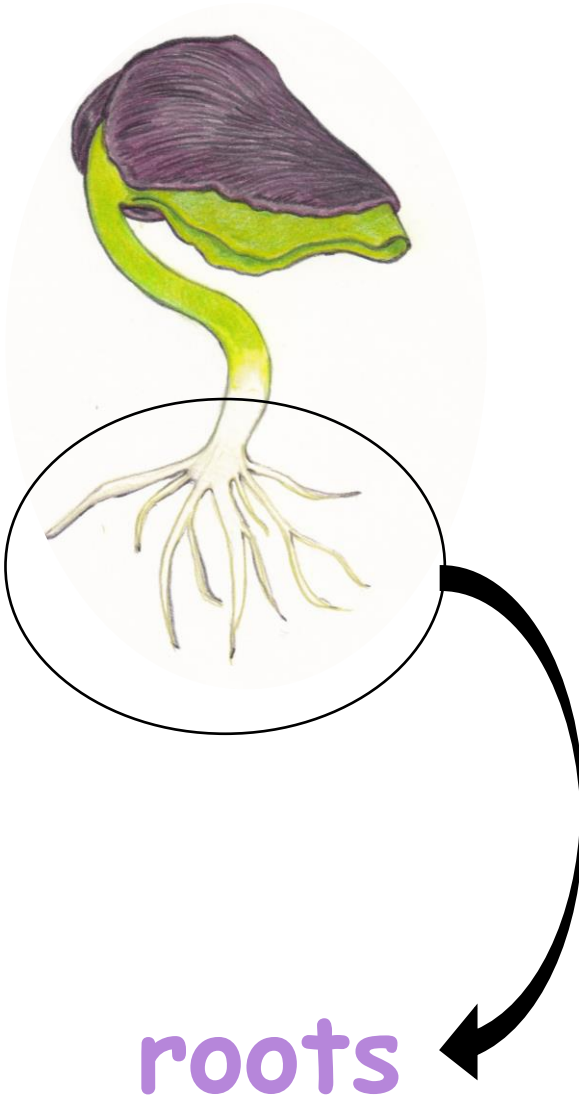


hatches





**grows**







eats

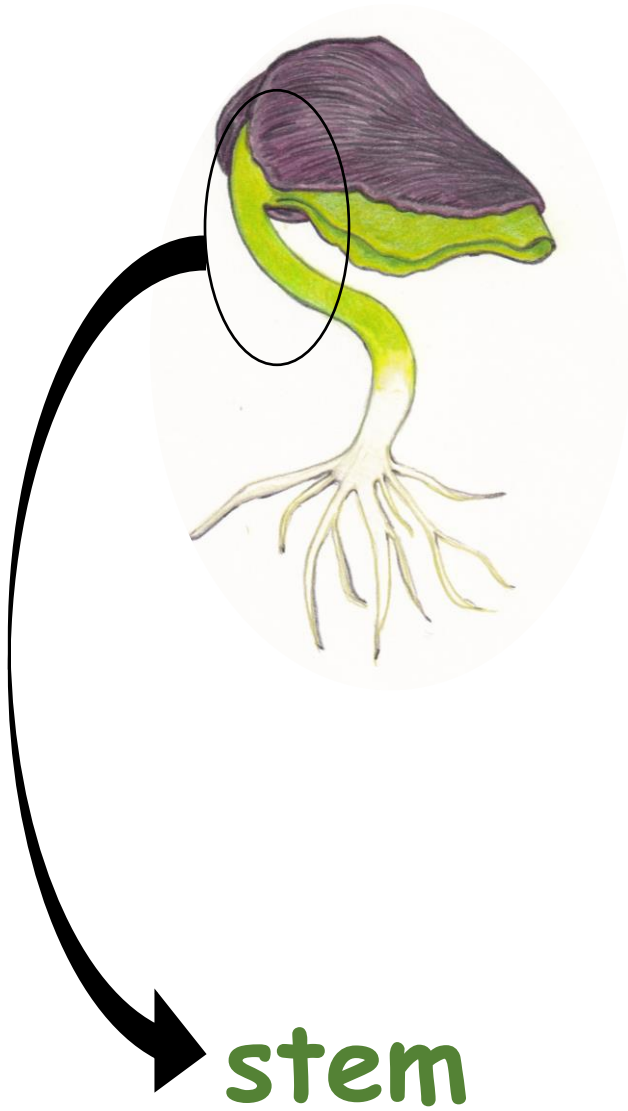


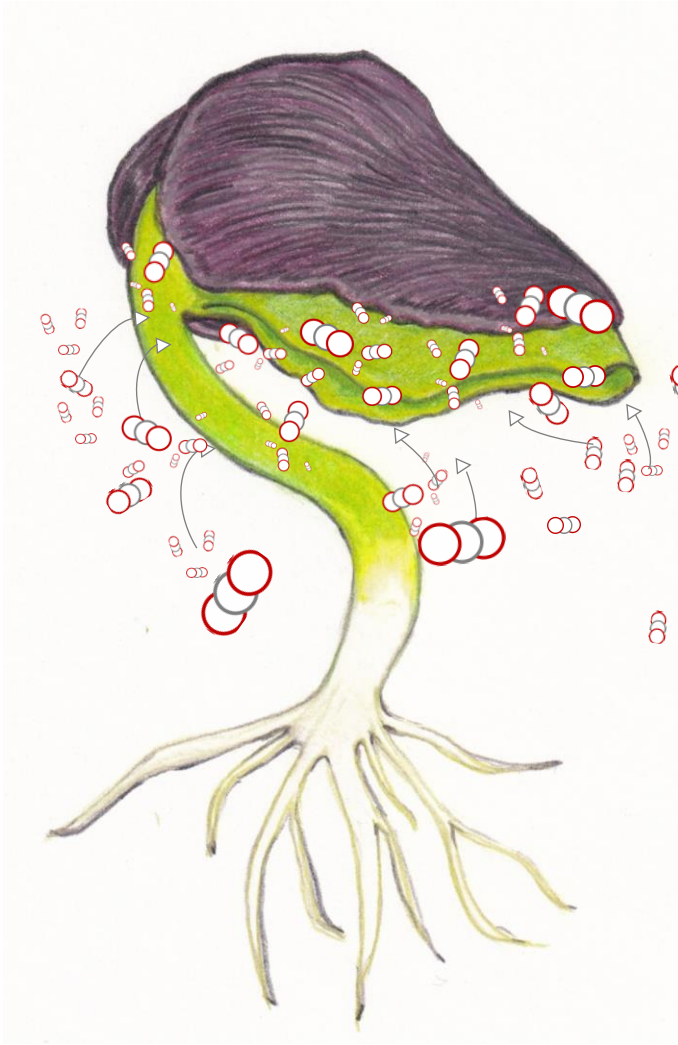
poop



the





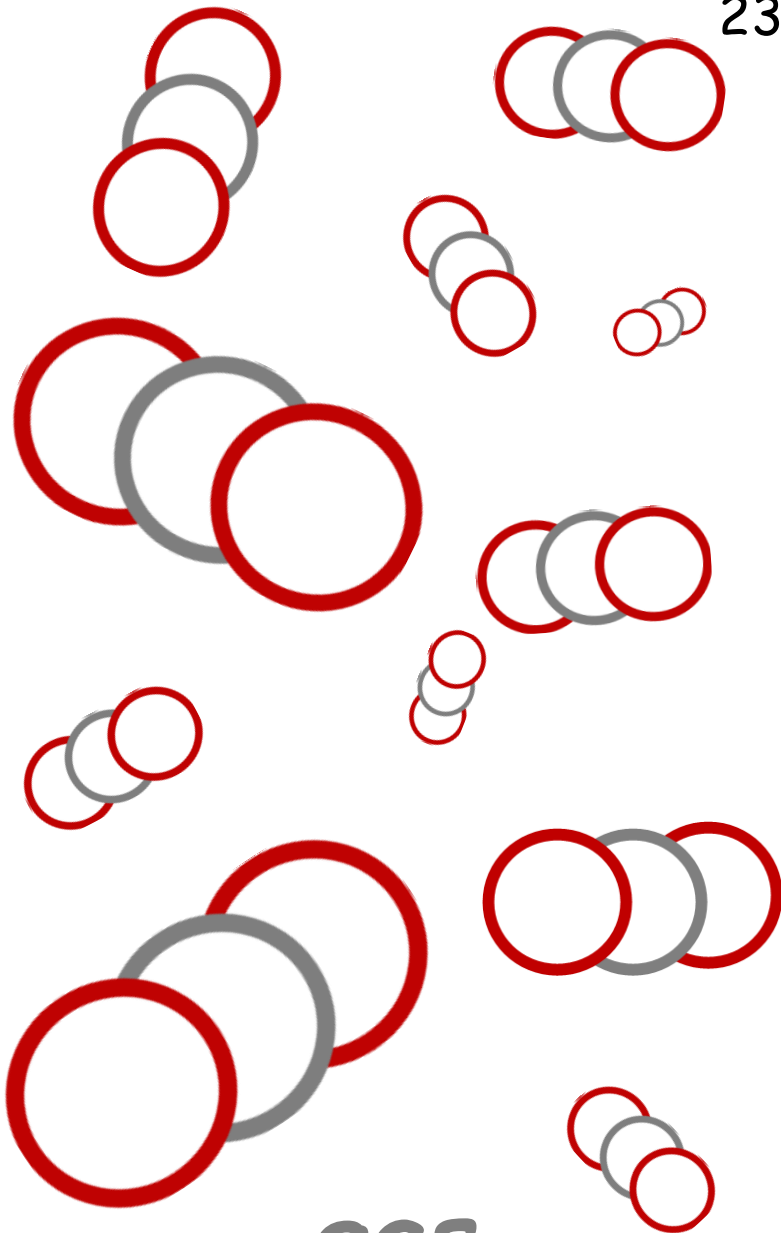


eats



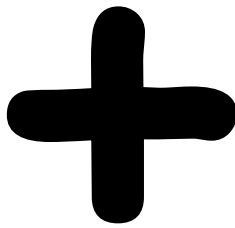
carbon dioxide

239



gas

240



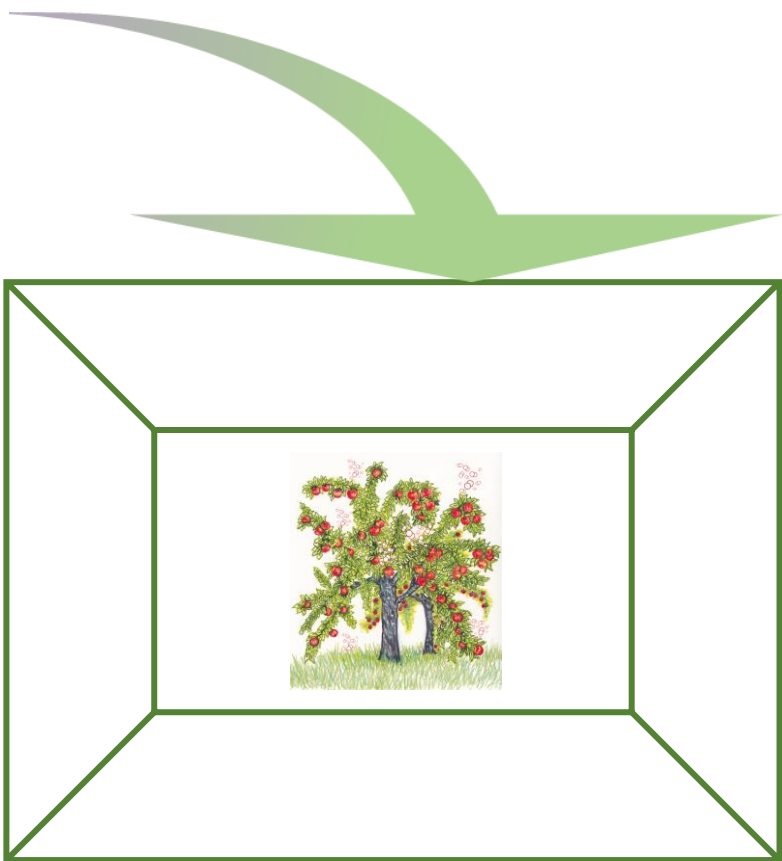
and



**grows**

into







1

a



plant

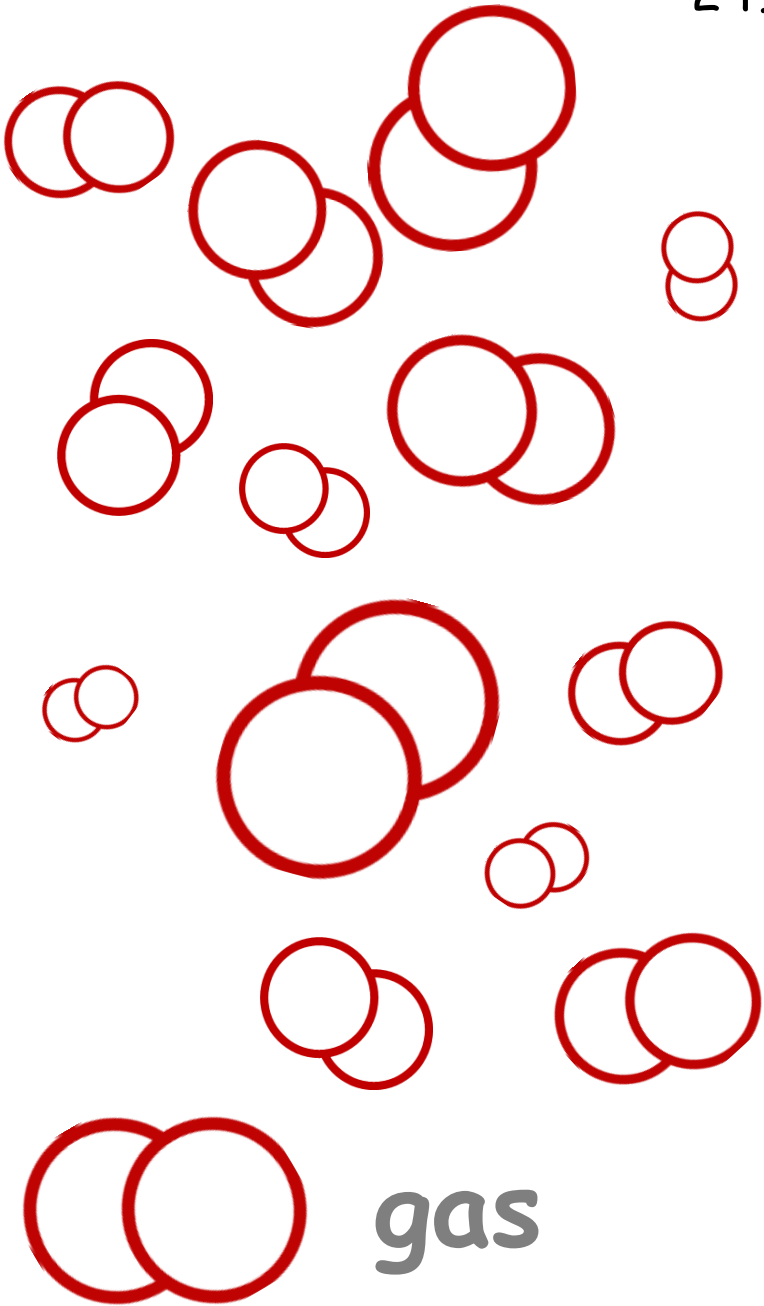


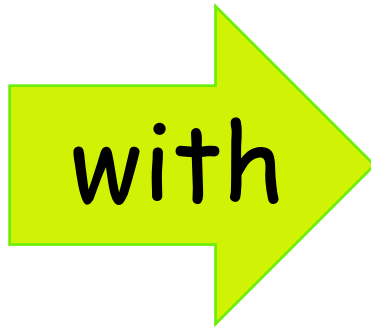


makes



oxygen

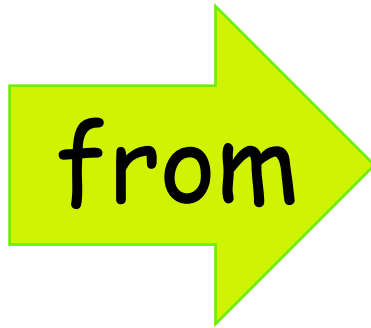






help



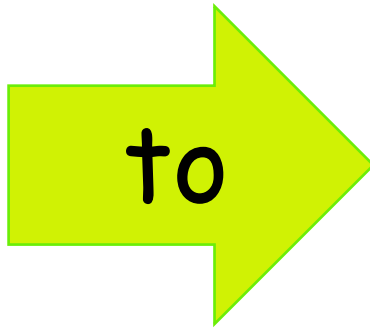




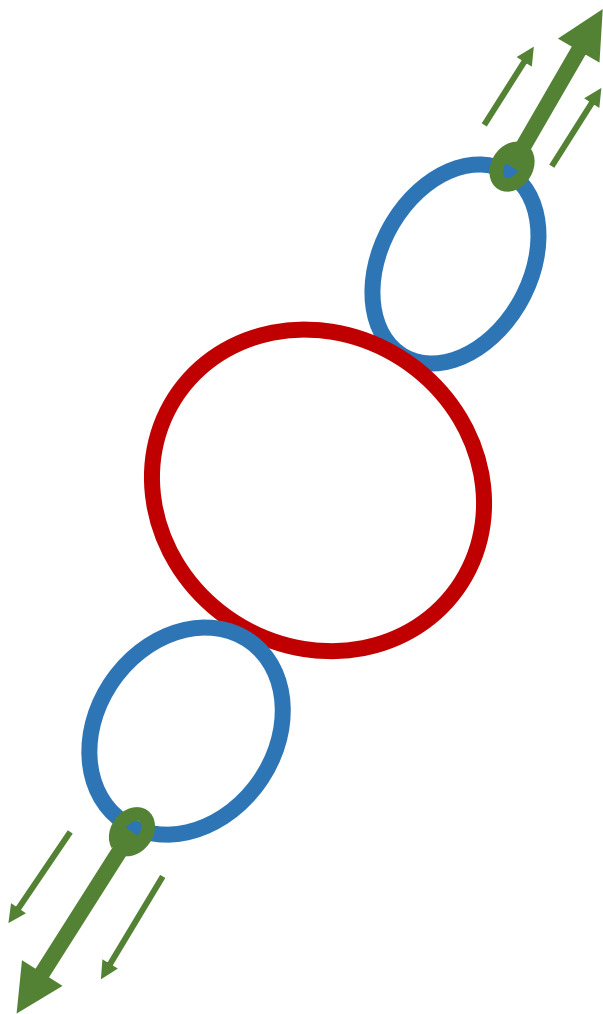
the



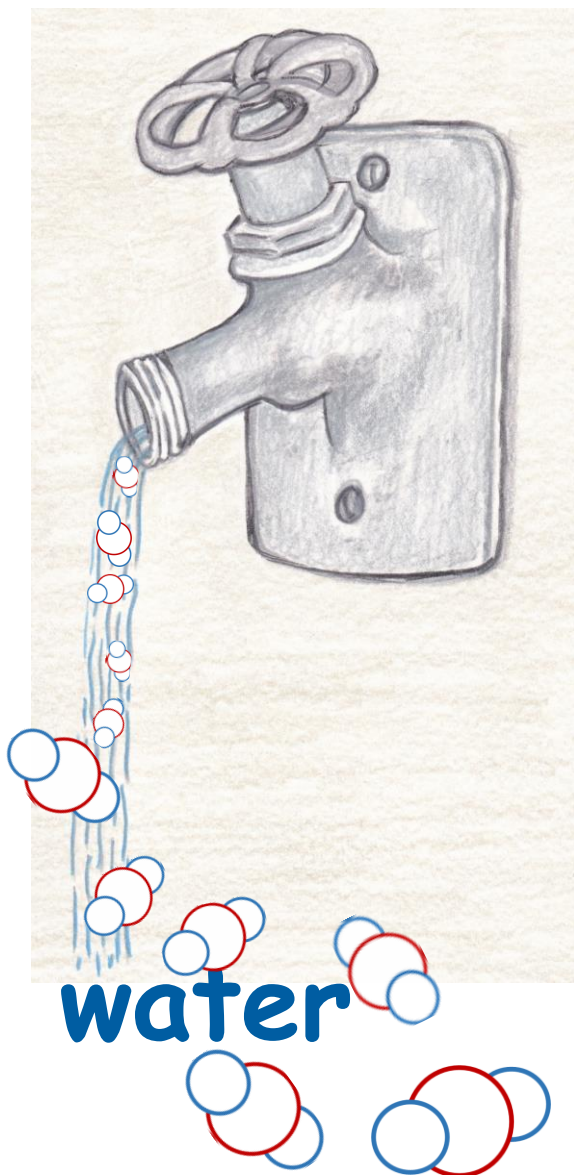
sun

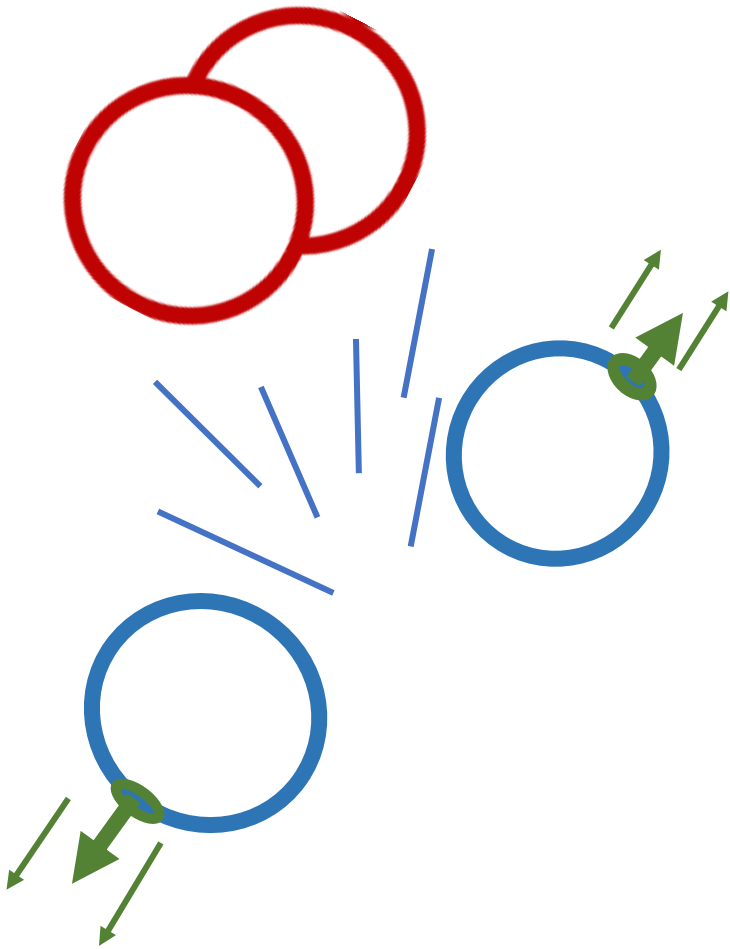


256

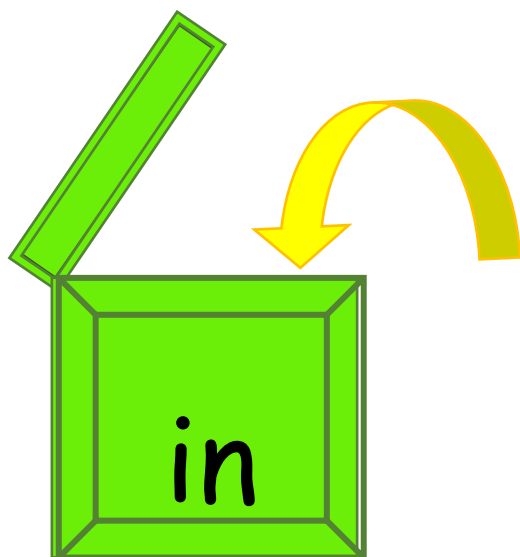


pull

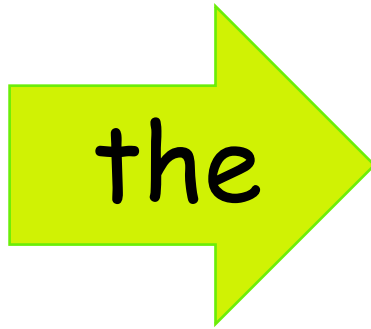




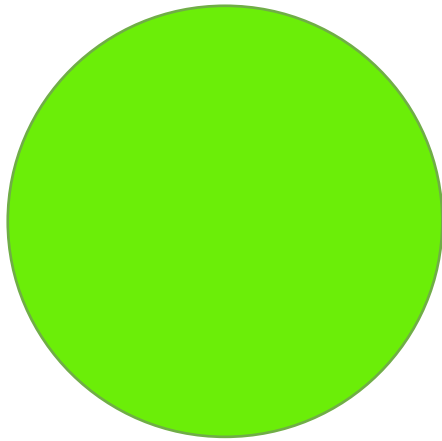
apart



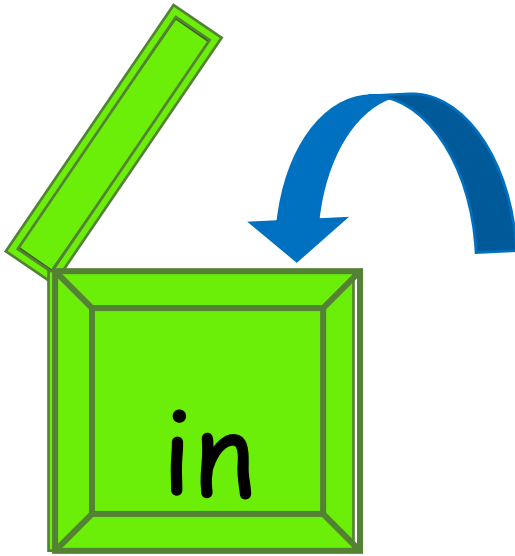


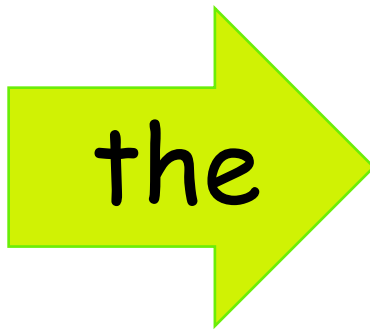


261



green





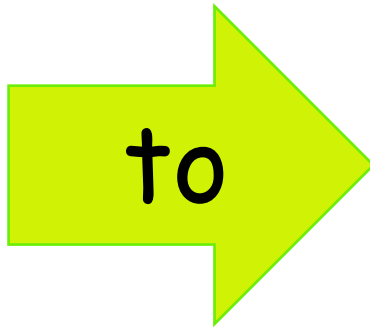


plant

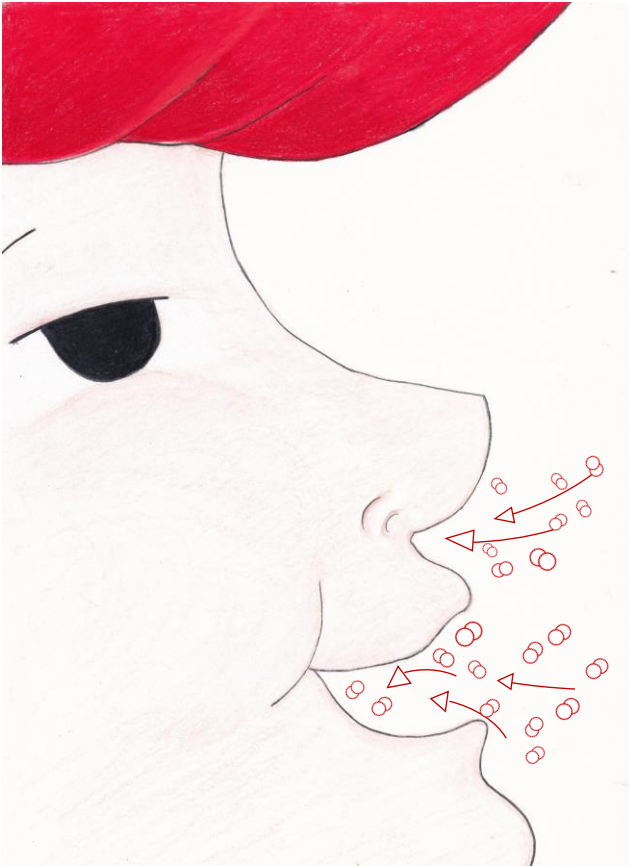




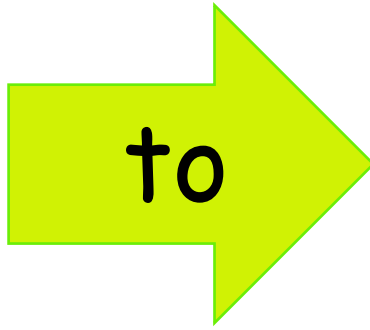
us

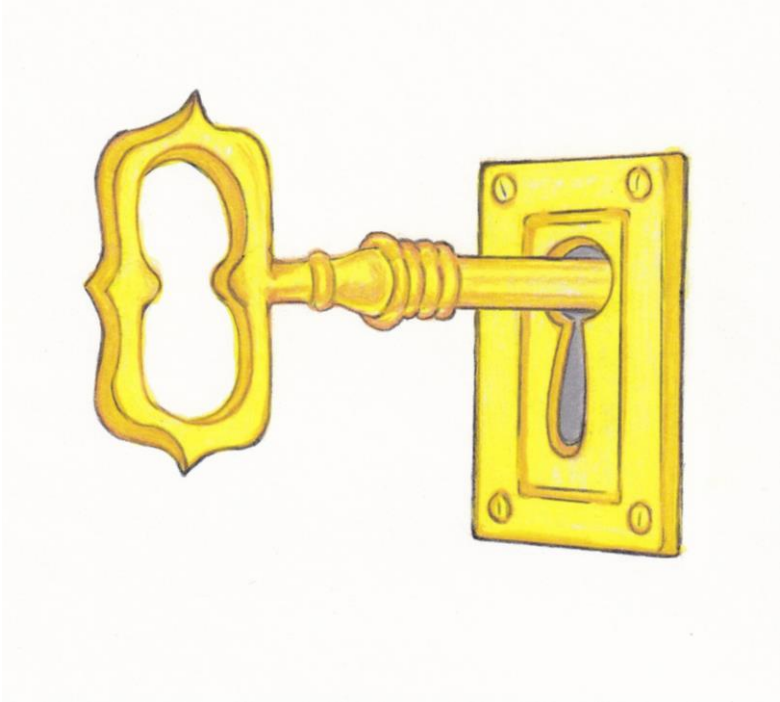




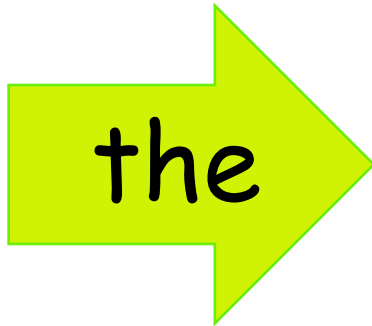


breathe





keep





earth



alive.

a  
1

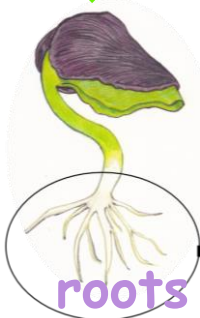
seed



hatches



grows



roots



eats

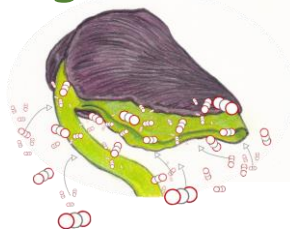


a  
1

into



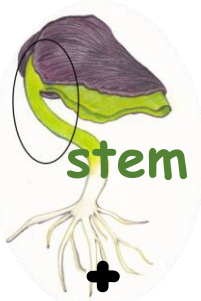
grows



carbon dioxide



eats



stem

+

and

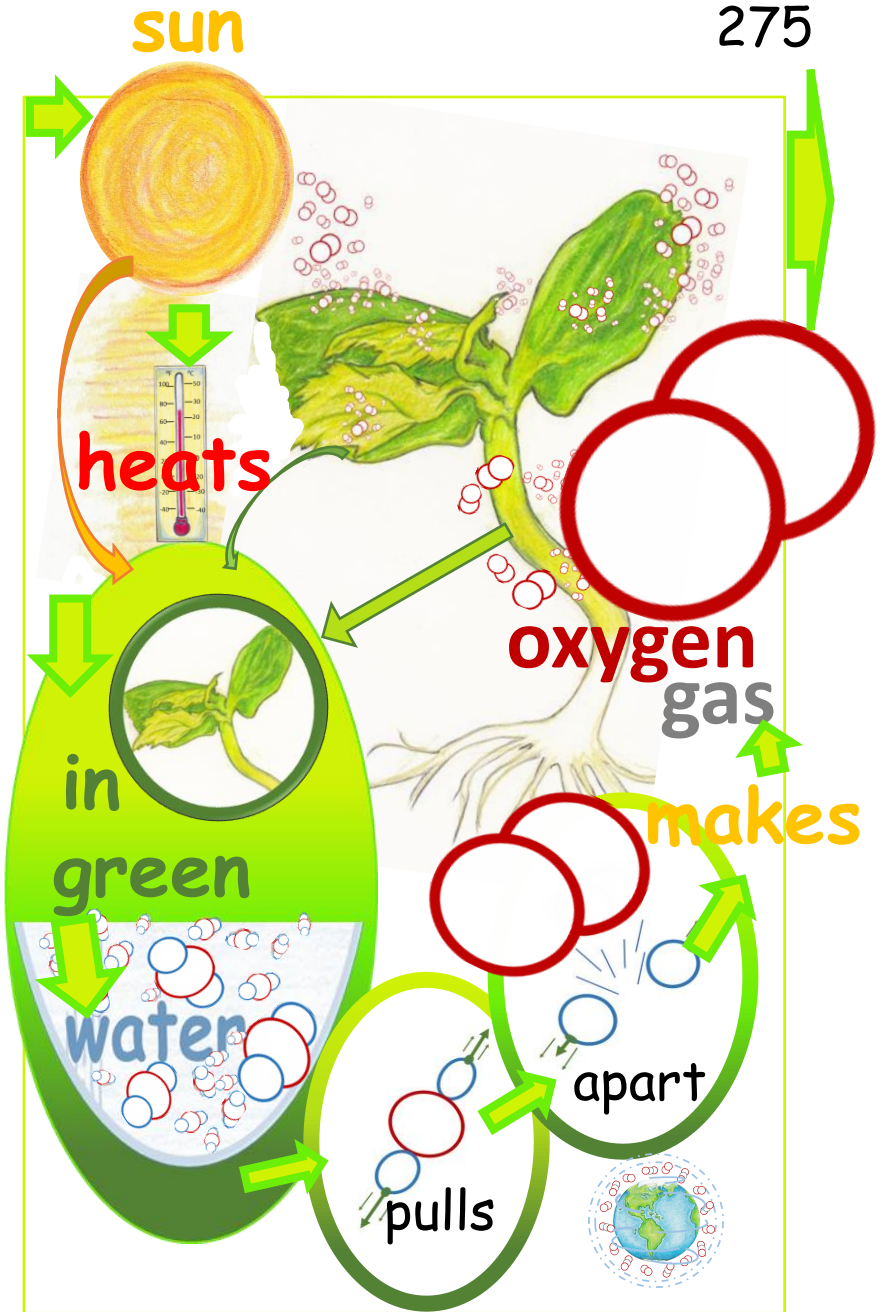


poop

plant





274

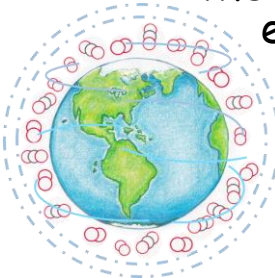








Sasha and the cat Aries  
 helps make  
 oxygen  gas  
 by planting  
 a seed hatches  
 grows roots that eats poop  
 the stem eats  
 carbon dioxide  gas  
 and grows into a plant  
 that makes  
 oxygen  gas  
 with help  
 from the sun  
 to pull water   
 apart  
 in the green  
 in the plant  
 for us to breathe  
 to keep  
 the  
 earth  
 alive.





The end.

## A Riddle (What is it?)

What is it, if the **sun** is fire in the oven?



What is it, if the ingredients are

**seed**,

**poop**,

,

**sunlight**



What is it, if **dirt** is the oven and the hole in the **dirt** is the cook pan?





What is it, if the oven door is **dirt**?



What is it, if one ingredient the **seed** **hatches** while its in the oven **dirt**?



What do you get when the oven door, that is the **dirt**, is pushed open or through and its done cooking and **makes oxygen**  gas by pulling apart **water** ?

## A Riddle (What is it?)

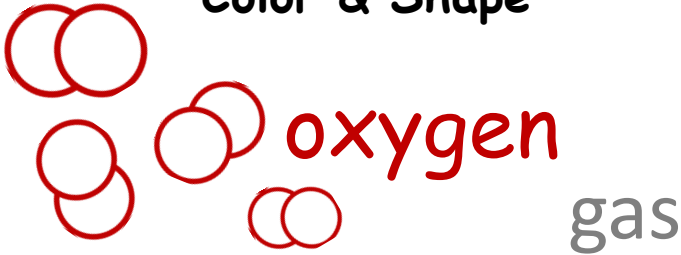
Answer: A **plant**.



SYMBOL EXPOSURE  
Defined in Scientific  
Color & Shape



**SYMBOL EXPOSURE**  
**Defined in Scientific**  
**Color & Shape**



The word and symbol definition..

a

1

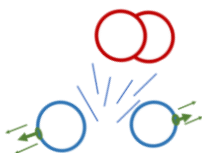
alive



and

+

apart



Aries



air



breathe in



blows out



The word and symbol definition..

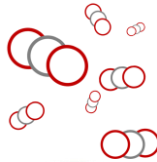
cat



carbon dioxide



carbon dioxide gas



covered, covers



dirt



digs



down



earth



eats



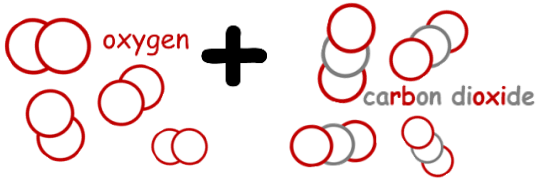


The word and symbol definition..

for



gas



green



grows



hatched, hatches



heats



helps

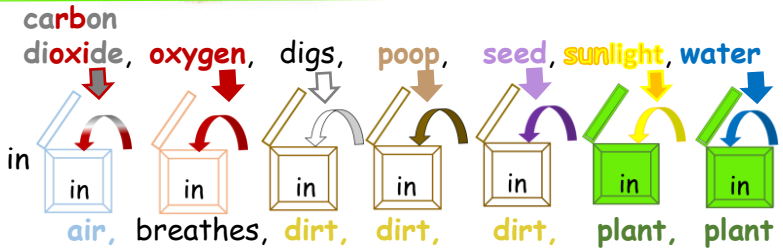


heroes

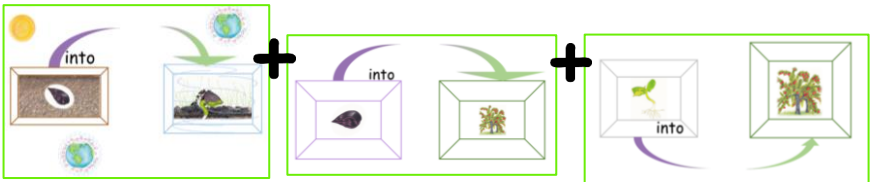


The word and symbol definition.

hole



into



keep



making, make, makes

of



on



out



The word and symbol definition.

oxygen



oxygen gas



plant, plants



poop



poops



places




pours



The word and symbol definition..


pulls 

pushes 

roots 

Sasha 

seed 

stem 

story 

The word and symbol definition..


sun



sunlight, sunlight



that=  that plant making oxygen

the = 

 The story,  the air,  the cat,  the earth

 the dirt,  the hole,  the poop,  the seed,

 the seed and poop,  The sunlight,  the green,

 The stem and plant,  the water,

 the plant making oxygen

through



The word and symbol definition.

two  **$1+1=2$**

up



us



wate



with



**$1+1=$**

seed and poop



**$1+1=$**

plant and sun


# SCIENTIFIC NOTE

Interactive Pages

## MAKING Oxygen Gas


A **plant** breaks out of the outer layer of a shell of the **seed**. To break out of the shell the **seed** goes through a process of **germination**.

In this book, the concept of understanding germination without using the word directly in the text is approached as '**hatches**'.





The word *germination* is not in the book so that the reader can understand the comprehension of concept in a different way to learn the process of temperature of the **sun** and the reaction of **water**  that heats at a certain temperature that dissolves the outer shell of a **seed**.

# SCIENTIFIC NOTE

Interactive Pages

In a different life situation in a comparative concept in theory, an egg **hatches** at a certain temperature to get a chicken, but **water**  is already in the egg.

The concept term word in the story '**hatches**' represents an egg to a **seed** and the chicken that breaks out of its shell compares to what breaks out of the **seed** is the **plant**.

The process of **Photosynthesis** in science books is the **green** part of the **plant** where the **sun** heats up **water**  and pulls **water**  apart to get **oxygen**  released into the **air**. The other part of the **water**  that is not released into the **air** is eaten with the **carbon dioxide** - when mixed together it makes a sugar for the **plant** to eat.





# SCIENTIFIC NOTE

Interactive Pages

Question 1:

What's one *gas* animals and humans release into the *air* atmosphere by blowing out that feed *plants*?

Question 2:

What's one *gas* *plants* release for humans and animals to breathe in in the *air* atmosphere that keeps us alive?

Answer to  
Question 1: carbon dioxide gas feeds plant s  
Answer to  
Question 2: oxygen  
gas feeds animals and humans

## **17 Sustainable Development Goals of the World Initiative through the United Nations**

<https://sdgs.un.org/goals>

- Goal 1 NO Poverty - To end all poverty in all its forms everywhere
- Goal 2 Zero Hunger - Promote sustainable agriculture
- Goal 3 Good Health and Well Being - Health
- Goal 4 Quality Education - Education lifelong learning
- Goal 5 Gender Equality - Empower all women
- Goal 6 Clean Water & Sanitation - Ensure available for all
- Goal 7 Affordable & Clean Energy - Modern energy for all
- Goal 8 Decent Work & Economic Growth - Economic growth and full and productive employment and decent work for all.
- Goal 9 Industry, Innovation & Infrastructure - Build resilient infrastructure, promote inclusive industrialization and foster innovation
- Goal 10 Reduced Inequalities - Reduce inequality within and among countries
- Goal 11 Sustainable Cities & Communities - Make cities and human settlements inclusive, safe, resilient and sustainable
- Goal 12 Responsible Consumption & Production - Ensure sustainable and Consumption
- Goal 13 Climate Action - Take urgent action to combat climate change and its impacts
- Goal 14 Life Below Water - Conserve and sustainable oceans, seas, and marine resources for sustainable development - planting to replenish oxygen.
- Goal 15 Life on Land - Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss - planting to replenish oxygen.
- Goal 16 Peace, Justice & Strong Institutions - Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
- Goal 17 Partnerships for the Goals - Strengthen the means of implementation and revitalize the global partnership for sustainable development

# STORY CONTENT SENTENCES 294

1 through 7

Total 14

1. The story of two  
oxygen gas  
making  
heroes.
2. Sasha and the cat Aries  
breathes in  
oxygen gas  
and blows out  
carbon dioxide gas  
in  
the air.
3. Sasha and the cat Aries  
helps the earth  
make  
oxygen gas.
4. Sasha and the cat Aries  
digs a hole  
in the  
dirt.
5. The cat Aries  
poops  
in the hole.
6. Sasha places a seed  
in the hole  
with  
the poop.
7. Sasha and the cat Aries  
covers  
the poop  
and seed  
with dirt.

# STORY CONTENT SENTENCES 295

## 8 through 12

## Total 14

8. Sasha pours water  
on  
the covered  
seed and poop.

9. The sunlight's  
on  
the covered  
seed and poop.

10. The sunlight and water  
makes  
a steam  
in  
the dirt  
and  
the seed hatches.

11. The hatched seed  
grows roots down  
in  
the dirt  
eats poop  
and  
a stem  
pushes up  
through  
the dirt  
into  
the  
air.

12. The stem eats  
carbon dioxide gas  
and grows  
into  
a plant.

# STORY CONTENT SENTENCES 296

13 through 14

Total 14

13. The sunlight  
    heats the green  
        in the plant  
that pulls apart  
    the water  
    in  
    the plant  
    and  
        makes  
    oxygen gas.

14. Sasha and the cat Aries  
    helps make  
        oxygen gas  
by planting  
    a seed hatches  
grows roots that eats poop  
the stem eats  
    carbon dioxide gas  
    and grows into a plant  
that makes  
        oxygen gas  
with help  
    from the sun  
    to pull water  
        apart  
            in the green  
            in the plant  
    for us to breathe  
to keep  
    the  
        earth  
            alive.


# CONTENT




## *Educational Elements & Design Pages*

1. Educational Development
2. Methodology
3. Description & Purpose
4. *Scientific Concept*
5. *WORD EXPOSURE -Defined in  
Scientific Color*
6. *Word Exposure Of Repeated  
Words 3 Times And 4 Plus Times Pages*
7. *the story of 'Oxygen Gas'*
8. *COMPARATIVE Riddle*
9. *SYMBOL EXPOSURE -Defined in Scientific  
Color & Shape*
10. DEFINITIONS AND SYMBOLS
11. *SCIENTIFIC NOTE-*  
(that refers the actual terminology  
of the scientific awareness)
12. EXPOSURE 2021, 17 Sustainable  
Development Goals of the World  
Initiative through the United Nations
13. *STORY CONTENT SENTENCES*



## Description & Purpose

'**Oxygen**  **Gas**' is the **air** we breathe in from the **air** atmosphere to live life. Meet two heroes Sasha and Aries the cat. Sasha means 'defender of mankind' in the Russian language and is short for Alexander and Alexandra and Aries the cat's name in Latin origin means goddess of drive, passion and courage or Olympian god of war, battle lust, courage and civil order. Read the story. Can you find out why Sasha and Aries are heroes to the earth?

The book is to enhance and direct one's focus to the world's initiative to increase **oxygen**  **gas** and reduce the **carbon dioxide**  out of the atmosphere that pertains to three of the 17 Sustainable Development Goals of the United Nations in reference to number 13 **Climate** Change, number 14 Life Below **Water**  and number 15 Life On **Land**.

This is the first volume of new PreReader Level 2 Environmental Learner science books. PreReader Level 2 is to assist learners of the English language to increase their reading level from the educational Prereader in comprehension and increase their attention span. The content of the story consist of an average length of 14 sentences. The book uses sight words and word association along with repetition in sentence format along with the use of design elements.