

Reading Homework:

Greenhouse Gas

By ReadWorks.org

If you've looked up at the space above the ground, you've looked at the atmosphere. The atmosphere is the layer of air around the Earth. The atmosphere protects us from outer space. Clouds form in the atmosphere. Tiny particles can be found in the atmosphere, too.

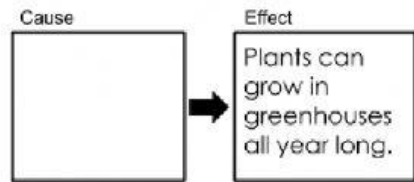
The atmosphere is made up of gases. The two most common gases in the atmosphere are nitrogen and oxygen. Nitrogen is a gas that can be found in all living things, including humans. Oxygen is a gas humans breathe in to survive.

There are other gases in the atmosphere known as greenhouse gases. They are called greenhouse gases because they trap heat in the atmosphere, just like greenhouses. A greenhouse is a building with glass walls and a glass roof that let in sunlight and trap in heat. Plants can be grown in greenhouses all year long because they stay warm throughout the year.

Greenhouse gases work similarly. Sunlight passes through the atmosphere during the day. It warms the surface of the Earth. The greenhouse gases stop some of the heat that the sunlight brings from leaving the atmosphere. Greenhouse gases help our Earth keep a comfortable, warm average temperature. But too many greenhouse gases can be a bad thing. Scientists are worried that human activities have led to an increase of greenhouse gases. This increase is causing our Earth to warm up very quickly.

Here are some examples of greenhouse gases in our atmosphere:

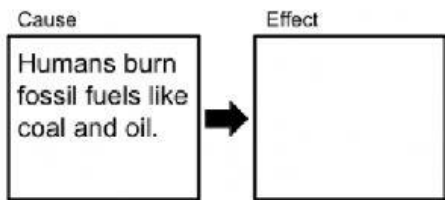
1. Complete the chart.



- A. Greenhouses let in sunlight and trap heat.
- B. There are greenhouse gases in the atmosphere.
- C. A greenhouse is a building with glass walls.
- D. Greenhouse gases cause the earth to get warmer.

Carbon dioxide is a gas that naturally occurs in the atmosphere. Living organisms and decaying organisms release carbon dioxide into the atmosphere. Volcanoes also release carbon dioxide. However, humans have been adding more and more carbon dioxide to the atmosphere by burning fossil fuels like coal and oil. Most scientists believe that this increase of carbon dioxide caused by human activities is the main cause of global warming. Water vapor is water in gas form. Water vapor forms clouds in the Earth's atmosphere when it cools and condenses back into tiny droplets of liquid water. Water in the clouds traps in some of the heat from the Earth's surface. Nitrous oxide is a gas that bacteria in the soil and the ocean make. However, some factories and power plants also release this gas. It is a powerful greenhouse gas **Lexile: 820**

2. Complete the chart.



- A. Carbon dioxide occurs naturally on earth.
- B. Volcanoes release carbon dioxide.
- C. Carbon dioxide is released into the atmosphere.
- D. Nitrous oxide is a gas that bacteria in the soil releases.

Writing Homework:

Directions: Read each question. Choose the best answer.

1. Read the following sentence.

Jaliyah brought flowers to _____ mom.

Which pronoun correctly completes the sentence?

- A. she
- B. her
- C. it
- D. they

2. Read the following sentence.

Both of the boys went to _____ lockers after the game.

Which pronoun correctly completes the sentence?

- A. their
- B. they
- C. it
- D. he

Math Homework:

1. Solve for the difference of 82,854 and 39,618.

a. 43,246

b. 47,244

c. 43,144

d. 43,236

2. Solve for the product of 23 and 63.

a. 1,449

b. 1,439

c. 1,494

d. 1,446

3. Solve for the quotient of 153 and 9.

a. 18

b. 17

c. 15

d. 16

Virginia Studies Homework:

VS.2 Geography of Virginia

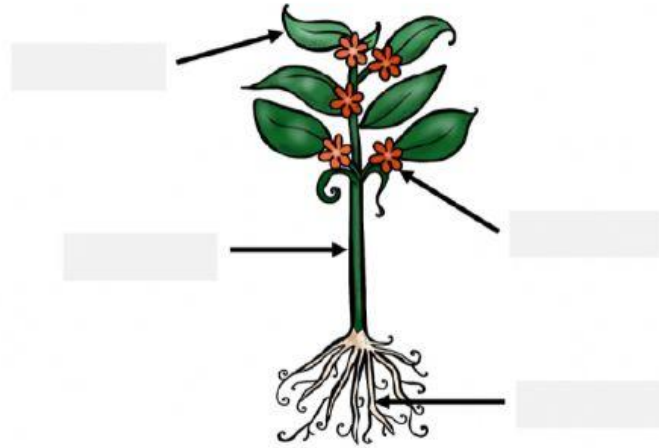


Use the letters on the map above to identify Virginia's five bordering states.

- | | | |
|-----------------------|------------------|------------------------|
| 1. West Virginia ____ | 2. Kentucky ____ | 3. North Carolina ____ |
| 4. Tennessee ____ | 5. Maryland ____ | 6. Virginia ____ |

Science Homework:

Label the parts of a plant.



flower

leaf

roots

stem

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