

Day 2 Atmosphere

Have your homework out to be checked.

Write the vocabulary words below down in your notebook.

-Global warming

-Greenhouse effect

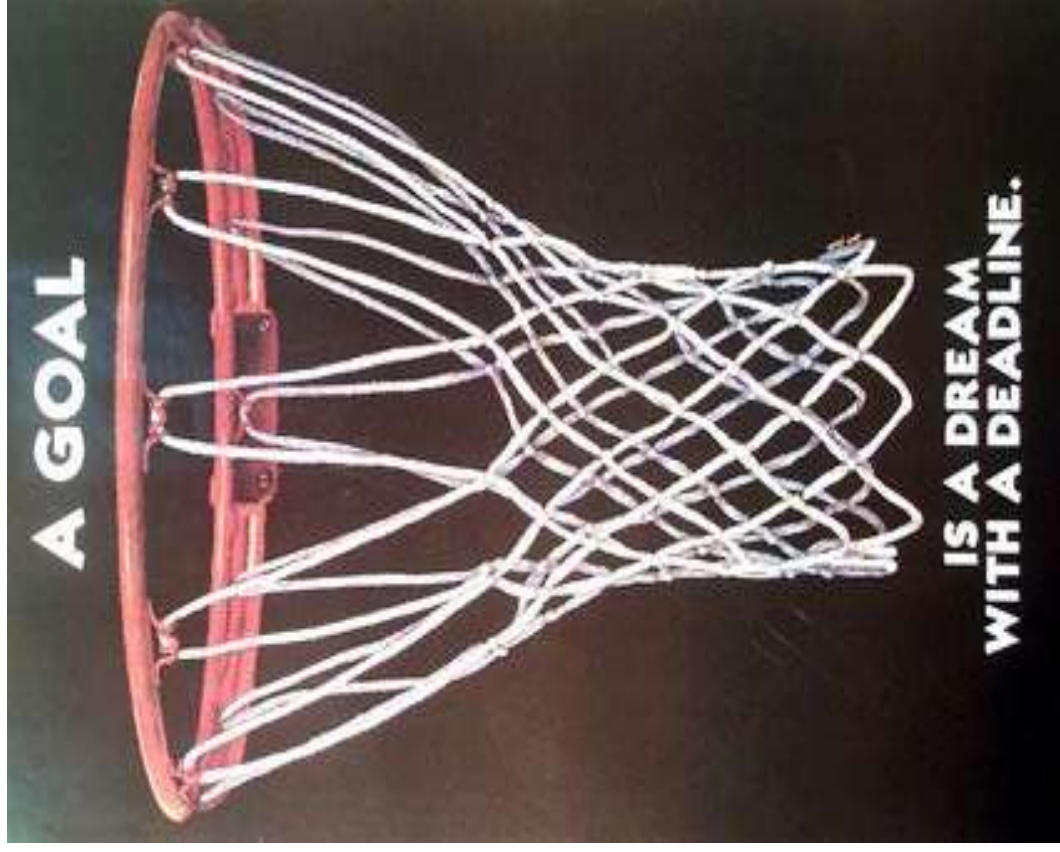
Once you write down the vocabulary, get your chromebook out and open two tabs:

-Go to join.quizizz.com on one

-Complete your warm up on Google Classroom in the other.

OBJECTIVES:

- a. Describe the layers of the atmosphere.**
- b. Differentiate the layers of the atmosphere based on variation of temperature.**
- c. Explain the significance of the layers and the boundaries between them.**



Ozone and Air Pollution

Get ready to take notes!

What is ozone and where is it?

Ozone Depletion

- Main cause is Chlorofluorocarbon (CFC) pollution
- Radiation from the sun causes the CFCs to break down
- Releases one chlorine atom
- Chlorine atom reacts with ozone (O_3) molecules forming chlorine oxide (ClO) and oxygen gas (O_2).

Global Warming

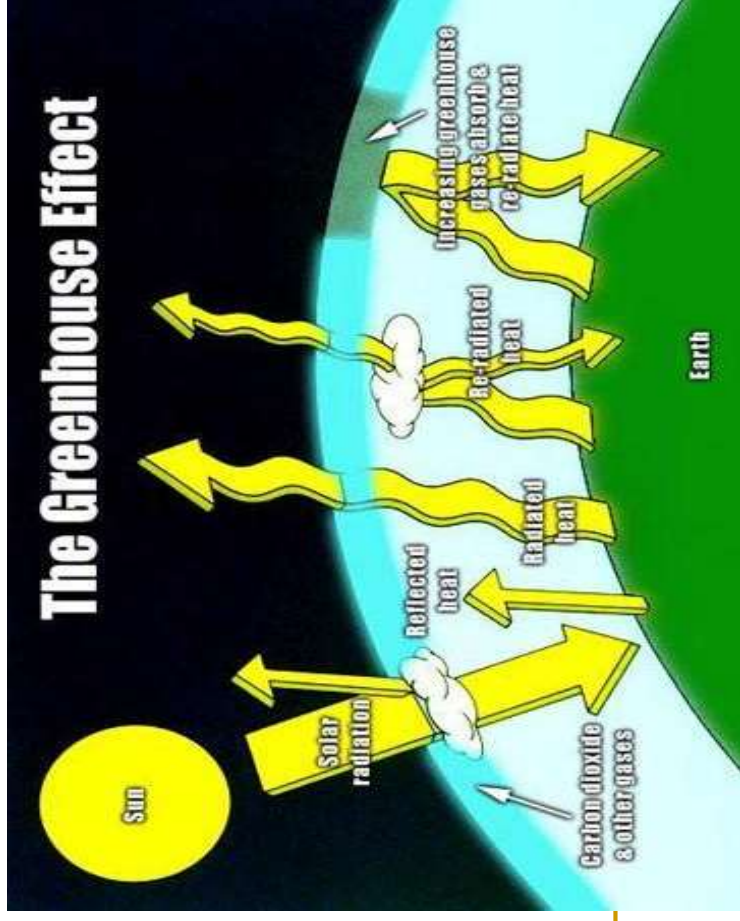
- An increase in Earth's average surface temperature caused by an increase in greenhouse gases.
- Caused by Greenhouse Effect

Greenhouse Effect

- The trapping of heat by gases in the atmosphere

Greenhouse gases

- > carbon dioxide
- > sulfur dioxide
- > ozone
- > CFCs
- > water vapor



Effects of Greenhouse Gas Pollution

- Global warming
 - > Ice in polar caps will begin to melt
 - > Water in the ocean expands
 - > Flooding in lowlands and coastal areas
 - > Changes in weather patterns



Articles

Do a close read on the article.

Green House Gases and Global Warming

Climate change
