

Name: _____

Date: _____

Phenomenon: The temperature of the Earth is the same as it was 100 years ago.

1. Develop and ask questions to obtain information about the **greenhouse effect, greenhouse gases and global warming.**

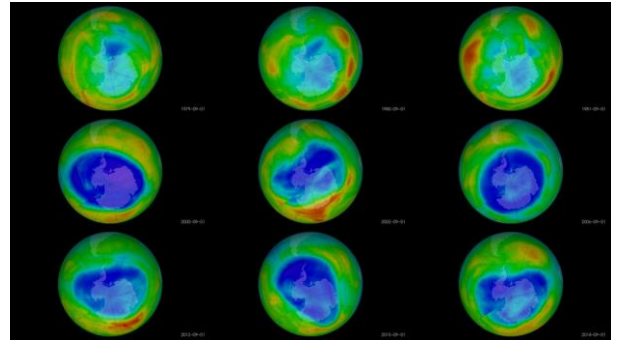
a.

b.

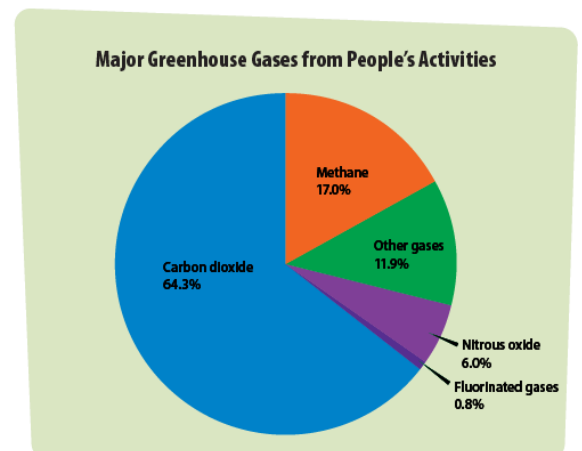
c.

d.

e.



2. Obtain information on how greenhouse gases influence the greenhouse effect.



Name: _____

Date: _____

3. Develop a model that determines how changes in atmospheric chemistry impact the greenhouse effect.

4. Use data to construct an explanation that either **supports or refutes** the temperature of the Earth remaining the same for the past 100 years.

<u>Vocabulary</u>
Weather
Climate
Climate change
Global warming
Greenhouse gases
Greenhouse effect
Short-term cyclic fluctuations
Long-term cyclic fluctuations
Atmospheric Circulation
Global Circulation Pattern
Prevailing Winds
Trade Winds
Oceanic Circulation Patterns
El Nino
La Nina
Pacific Decadal Oscillation
Topography
Carbon dioxide
Methane
CFC's
Ozone Layer
Ozone Hole

5. Devise a plausible plan of action (solution) as to how humans could reduce their impact on the amount of greenhouse being released into the atmosphere. Be specific.