

April 14, 2015

Warm-Up

Today you will need your notebook and pencil.

- Computer Modules 1, 2 and 3 due tomorrow.
- Quiz on HW 1 & 2 on Thursday.
- Homework Page due Friday.

○ Review:
Which greenhouse gas accounts for 60% of the greenhouse effect?

Water Vapor

Gas	Percentage
Water Vapor	60.0%
Methane	16.0%
Nitrous Oxide	8.0%
Fluorinated Gases	15.0%
Ozone	1.0%

Contributions to Global Climate Change

4. How does deforestation, burning of fossil fuels and large-scale development contribute to global climate change?

Deforestation

Fossil Fuels

Large-Scale Development

Deforestation

- **Photosynthesis:** Plants absorb carbon dioxide from the atmosphere and give off oxygen.

Deforestation

- More carbon dioxide remains in the atmosphere (photosynthesis).
- Destroyed plants give off carbon dioxide when they decompose.

Burning of Fossil Fuels

- Releases more GHG into the atmosphere (mainly carbon dioxide), warming the climate.

Large-Scale Development

- Paved surfaces absorb sunlight and produce heat. Pollution and buildings also contribute.

Why the urban heat island effect occurs

