

The Greenhouse Effect - Live Worksheet

Name: _____ Class: _____ Date: _____

A. Multiple Choice

1. The greenhouse effect is a:

- Natural process
- Type of pollution
- Weather disaster

2. Greenhouse gases trap:

- Oxygen
- Heat
- Rain

3. Without the greenhouse effect, Earth would be:

- Too hot
- Too cold
- Full of volcanoes

4. The main greenhouse gas produced by humans is:

- Oxygen
- Carbon dioxide
- Nitrogen

B. Put the Steps in Order

___ The Sun sends heat and light to Earth.

___ The Earth absorbs some heat.

___ Some heat is reflected back into space.

___ Greenhouse gases trap some heat.

___ The trapped heat warms the Earth.

C. Match the Greenhouse Gas

Greenhouse Gas	Source
Carbon dioxide	_____
Methane	_____
Water vapour	_____
Nitrous oxide	_____

Sources to use:

- Evaporation
- Burning coal, oil and gas
- Fertilisers
- Cattle and rubbish dumps

D. True or False

The greenhouse effect keeps Earth warm. True False

People burn fossil fuels in factories. True False

Methane mainly comes from cattle and rubbish dumps. True False

The Sun sends heat and light to Earth. True False

Cars release carbon dioxide. True False

E. Fill in the Blanks

Word Bank: heat, atmosphere, fossil fuels, Earth, carbon dioxide

1. Greenhouse gases trap _____.
2. These gases are found in the _____.
3. Burning _____ releases carbon dioxide.
4. The trapped heat keeps the _____ warm.
5. More _____ means more heat is trapped.

F. Short Answer

1. Why is the greenhouse effect important?

2. Give TWO ways people can reduce the greenhouse effect.

1. _____

2. _____