

ANSWER KEY – GREENHOUSE GAS

Examples - Human Sources of Greenhouse gases:

Carbon dioxide: Deforestation, burning fossil fuels – especially coal and plant burning

Methane: landfills, rice paddies, guts of cows, coal production, natural gas leaks from pipelines and gas production.

Hydro-fluorocarbons (HFCs): plastic foams, air conditioners, refrigerators etc.

Halons: fire extinguishers

Carbon tetrachloride: cleaning solvent

Nitrous oxide: Fertilizers, nylon production, burning fossil fuels, livestock waste

Hydro-chlorofluorocarbons (HCFCs): plastic foams, air conditioners, refrigerators etc.

Suggested Activities:

1. Use the online dictionary by typing the following in the ‘Google’ search engine;

define: greenhouse gas

By typing the word ‘define:’ with a colon after and what ever word you are looking for, will display web sites that deal with the meaning of that particular word.

2. Discuss the meaning of each greenhouse gas in more detail.
3. Are students able to identify a local greenhouse gas example.

Outcomes:

Science – the environment and greenhouse gas, human sources of greenhouses gases

Technology – conduct research using the Internet