

Y8 WEEK 3 ASSESSMENT- CHAPTER 6 CLIMATE CHANGE

Use the words in the word box to complete the sentences below.

greenhouse effect	fossil fuels	greenhouse gases	carbon dioxide	Global warming
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1. _____ refers to the gradual rise in the earth's temperature as a result of human activities.
2. When too many _____ are released into the air, they trap the sun's heat and cause the earth to get warmer.
3. The _____ refers to a build-up of gases in the air around the Earth, which causes the earth's temperature to rise.
4. Fuels like coal and oil, formed from the remains of decayed plants and animals, are called _____.
5. Burning fuel releases _____ into the atmosphere.

Below, place the numbers 1, 2, 3, 4, 5 and 6 next to the mixed-up steps in the greenhouse effect to put them in their proper order starting at the sun.

Greenhouse Effect	Order
When solar energy waves hit the earth's surface, they slow down and form longer heat (thermal) energy waves.	
Some solar energy waves reflect off of clouds and greenhouse gasses and return to space.	
These longer heat energy waves have trouble getting back out into space through the greenhouse gasses.	
Heat trapped in the atmosphere warms the planet.	
Other solar energy waves make it to the earth's surface	
Shortwave solar (radiant) energy waves enter the atmosphere from the sun.	

Write True (T) or False (F) for each statement.

STATEMENT	ANSWER
Earth's temperature is rising.	
Greenhouse gases are good for the environment.	
Climate change is caused by humans.	
Snowstorms are proof that climate change is a myth.	
Global warming causes more extreme weather events more often.	
Polar ice caps are melting.	
All animals will adapt to warmer temperatures.	
People can take actions against climate change.	