

SUSTAINABILITY

YEAR 6

Autumn 2



LESSON 5

What is global warming?



Do Now – Retrieval practice

1) What is meant by combustion?

Combustion is _____

2) What can we do to reduce the amount of waste in landfill sites?

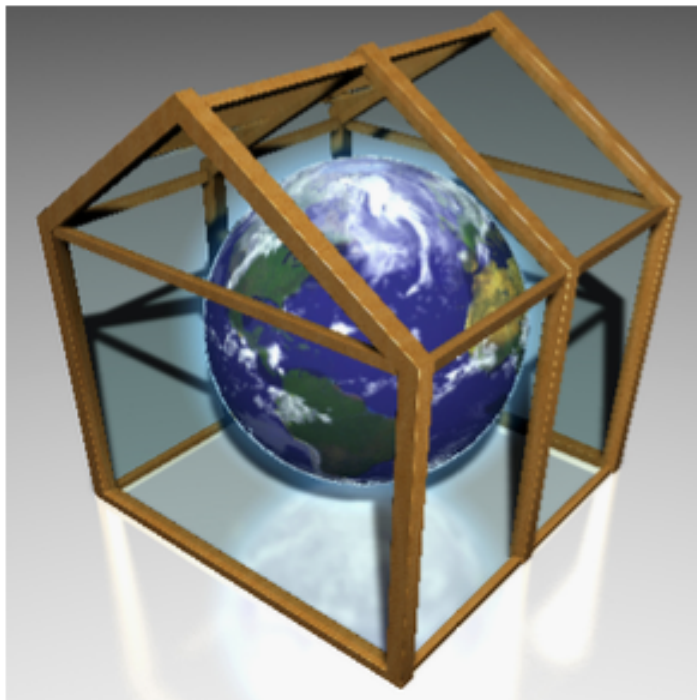
3) Give two properties of glass.

i. _____

ii. _____



Read the following passage about greenhouse gasses.



Gardners often keep their plants in greenhouses. Greenhouses are used to keep the plants warm as they trap heat inside.

The air that surrounds the Earth contains a small amount of carbon dioxide. Carbon dioxide in the air traps heat keeping the Earth warm, because carbon dioxide is responsible for keeping the Earth warm it is called a greenhouse gas. Green house gases are important for keeping the Earth warm enough for life to exist.



Use the text above to answer the following questions:

1. Which gas is responsible for keeping the Earth warm?

2. What does a greenhouse gas do?

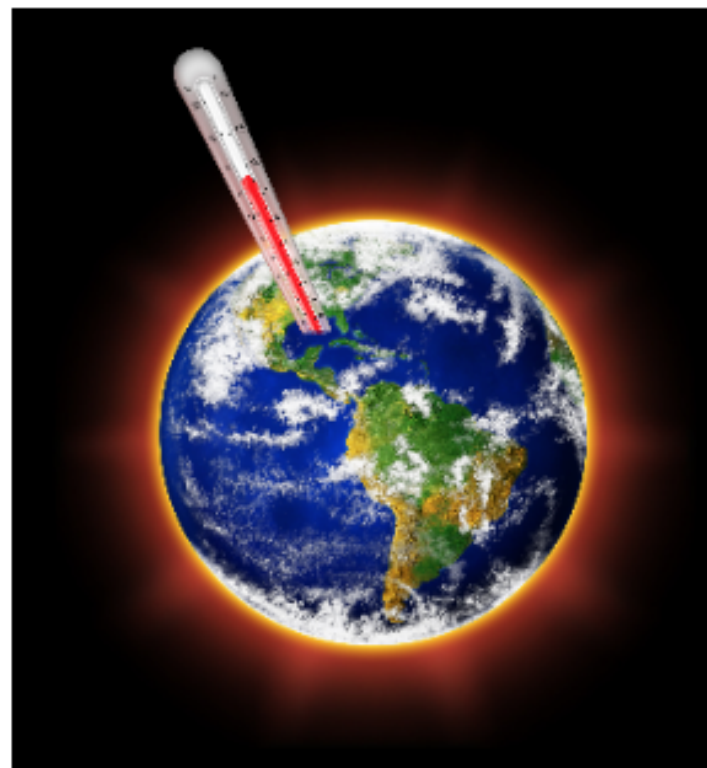
3. Why are greenhouse gasses important?



Read the passage below about the increased greenhouse effect.

When humans burn fuels to make electricity, drive cars or power central heating carbon dioxide is produced. This means the amount of carbon dioxide in the air is increasing.

The more carbon dioxide there is in the air the more heat is trapped. Humans have burnt more fuels since the industrial revolution than ever before. As a result more and more heat is being trapped. This is causing the global temperature to rise which is called global warming.



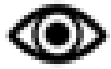


Use the text above to answer the following questions:

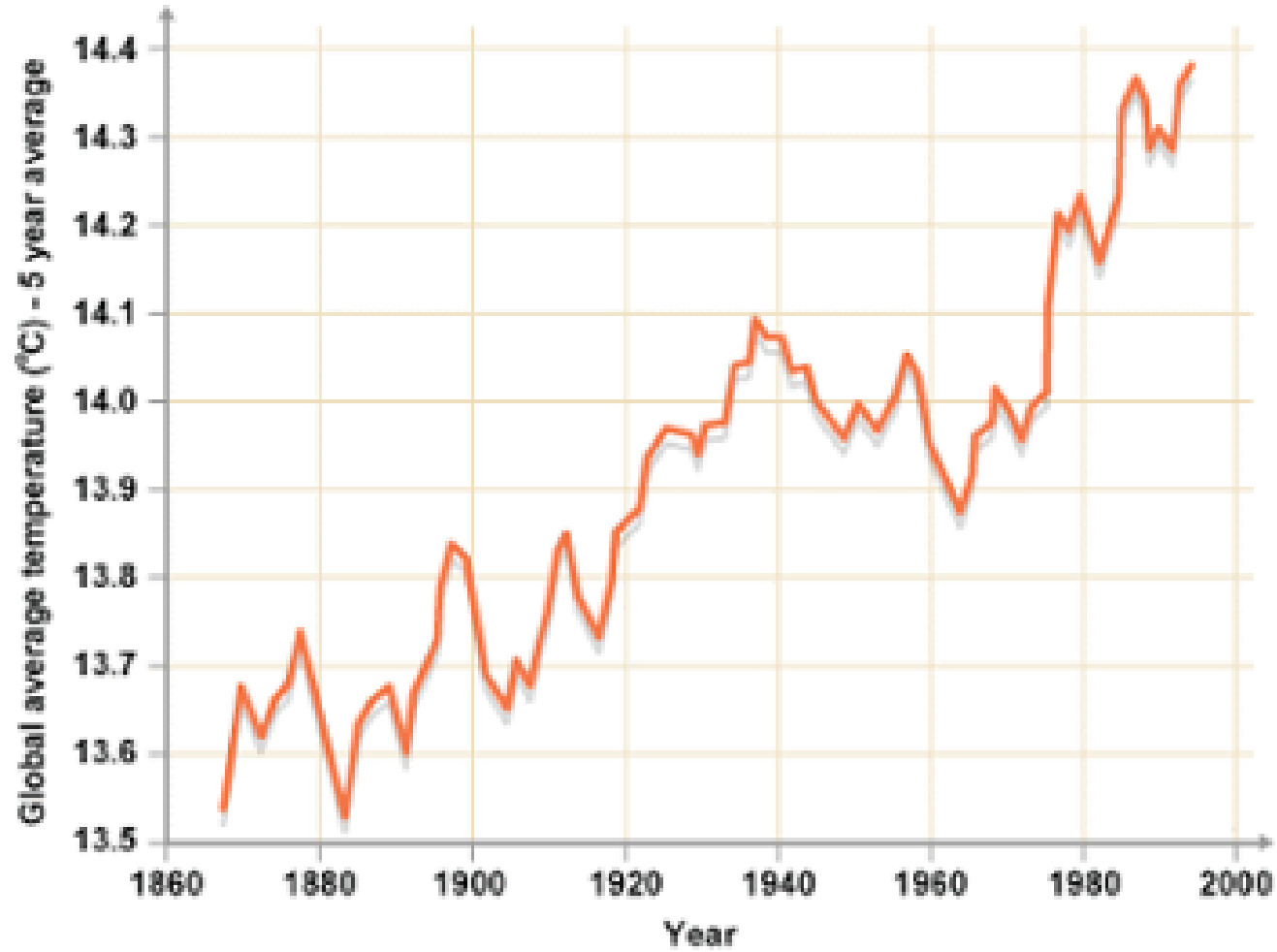
1. What is happening to the amount of carbon dioxide in the air?

2. How are humans causing this?

3. What is happening as a result?



Look at the graph below and answer the questions.



1. What happened to the average global temperature between 1860 and 200?

2. How does this graph provide evidence for global warming?

3. How could humans reduce their impact on global warming?



Why do you think humans have not changed their behaviour very much so far to stop global warming?

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