

Class 4

Climate Change: The Facts

Begin by writing today's date (Monday 25th January 2021) and the title (Climate Change: The Facts) into your topic book.

Task 1

Match the words on the left to their definitions on the right.

atmosphere	A form of oxygen which creates a layer around Earth and protects Earth from the sun's rays. Ozone is pale blue in colour.
Carbon dioxide	These contain large amounts of carbon dioxide and release carbon dioxide when burned for energy. Examples of these are oil, gas and coal.
climate	A thick layer of gases that surround Earth and protect the planet from the sun's rays.
fossil fuel	The introduction of harmful materials into the environment.
global warming	An increase in global temperature caused by the enhanced greenhouse effect.
greenhouse gas	A gas that is vital for life to exist on Earth.
oxygen	The weather conditions in a certain area over a long period of time.
ozone	A colourless gas which is present in our atmosphere and is absorbed by plants. It is also released by burning fossil fuels. Its chemical symbol is CO ₂ .
pollution	A gas in the atmosphere which absorbs the sun's heat, such as carbon dioxide and methane.

Task 2

Now you've matched the words to the definitions, you are going to create some game cards with this information.

You will need:

- 9 'cards' (use an A4 piece of paper or two and fold to create small cards)
- A pencil

On one side of the cards write the key vocabulary (the words on the left in the table above) and on the back of the correct card, write the definition for the word. **KEEP YOUR GAME CARDS SAFE AND TOGETHER.**

Game Ideas:

- Heads up

You or an adult/sibling hold up one of the cards in front of their head with the key word showing. The other person gives the definition as best as they can and the person with the card needs to work out the key word.

RULES: You are not allowed to use the key word in your definition.

- Snap

You will need another set of cards for this. Take it in turns to turn over a card and put into a pile in the middle. When you have two cards (Key vocabulary and definition) that match, the first to shout “SNAP” wins the cards in the middle.

- Memory game

Turn over the cards so that the definitions are face up. How fast can you say the key word for each definition?

- Memory game 2

Put all the cards down so the definitions are face up. Close your eyes whilst a partner removes one card. Can you work out which key word is missing?

This is to help you learn new vocabulary.

Task 3

Write a sentence for each of the key words but do not repeat the definition. Try to create a new sentence.

Task 4

In your book, write a sentence explaining the difference between **weather** and **climate**.

Task 5

From memory (you focused on this for your comic strip last week) write a paragraph explaining what climate change is and give examples of what causes it.

Send pictures of your topic work, along with your English and Maths from today, to
[**teacher@kingslandengland.hereford.sch.uk**](mailto:teacher@kingslandengland.hereford.sch.uk)

Have fun!