

Name:

1 What is climate? Tick the correct answer.

- a The weather over hundreds of years.
- b The weather in a place over a long time.
- c An unusual spell of very hot weather.

...../1

2 Complete the text with the correct words.

Most of the atmosphere is nitrogen (N₂) and oxygen (O₂), but there are ¹..... gases in the atmosphere, too.

Some of the gases in the atmosphere are called greenhouse gases because, like the ²..... in a greenhouse, they keep the Earth warm. They do ³..... by stopping some of the Sun's heat from leaving the Earth. They are very important because they help to keep the Earth at the right temperature for life to grow – not too hot and not too cold. Carbon dioxide (CO₂) is a very important greenhouse gas. ⁴..... the greenhouse gases, the Earth ⁵..... be very, very cold.

Many scientists study the Earth's atmosphere. They do this from satellites and from the land, and their ⁶..... show that the amount of greenhouse gases in the atmosphere is growing. This is making the temperature on Earth get ⁷....., and this warming is having a big effect on the climate.

- | | | |
|---------------|--------|------------|
| 1 other | some | much |
| 2 bricks | glass | wood |
| 3 those | this | these |
| 4 With | Within | Without |
| 5 will | would | would have |
| 6 studies | study | studying |
| 7 the warmest | warmer | warming |

...../7

3 Match the words in the box with the definitions.

| | | | | | |
|-------|--------|------|------|---------|-------------|
| cause | effect | heat | melt | pattern | temperature |
|-------|--------|------|------|---------|-------------|

- 1 something that makes another thing happen
- 2 how something happens, again and again
- 3 a change that happens because of another thing
- 4 when something feels warm or hot
- 5 when ice becomes water, for example
- 6 how hot or cold something is

...../6

4 Write T (true) or F (false).

- 1 The Arctic is heating faster than anywhere else on Earth.
- 2 El Niño is a volcano in South America.
- 3 Earth has got warmer over the past four decades.
- 4 The temperature hasn't changed at the bottom of the ocean.
- 5 Melting sea ice can change weather patterns.
- 6 The Thames Barrier protects New York from floods.

...../6

5 Match the country with the damage caused by extreme weather. Draw a line between them.

- | | |
|-------------|---|
| 1 India | a Flooding again and again has caused a huge amount of damage. |
| 2 Australia | b Heatwaves caused temperatures to rise to 51°C in 2016. |
| 3 UK | c Fires badly damage homes each year. |
| 4 Pakistan | d Extreme floods in 2010 had a terrible effect on 20 million people. |

...../4

6 Complete the text. Choose the correct words.

All over the world, we are **1** patterns of extreme weather. Many places are having

- a see
- b seeing
- c seen
- d saw

2 highest-ever temperatures, and other places are having more rain than **3**

- a there
- b they're
- c their
- d our

- a never
- b ever
- c forever
- d more

before. The effects of this extreme weather are very **4** for all the living things in

- a hazard
- b endanger
- c danger
- d dangerous

our world. The number of heatwaves, droughts, floods and storms we are seeing is **5**

- a increasing
- b increased
- c increase
- d to increase

in many places. Extreme weather is now becoming normal for **6** people.

- a much
- b little
- c few
- d many

...../6

7 Complete the sentences with the correct options.

1 In South Asia and China, water for drinking and farming comes from

- a rivers.
- b lakes.
- c the sea.

2 More people will catch diseases if the world gets

- a darker.
- b colder.
- c warmer.

3 Many people are.....

- a building bigger homes because of climate change.
- b selling their homes because of climate change.
- c leaving their homes because of climate change.

...../3

8 Put the phrases in the correct column. There are three answers in each column.

animals lose their habitats Arctic ice melts people cut down trees
 people grow food polar bears have less food some animals become extinct

| Problem | Effect |
|---------|--------|
| | |
| | |
| | |

...../6

9 Read the sentences and write F (fact) or O (opinion).

- 1 If we do not act now, we will put the future of our world in danger.
- 2 In 2010, at the end of the summer, the Arctic sea ice was one third smaller than at the end of the 20th century.
- 3 Scientists think that the effects of climate change will make it much harder to grow enough food for everyone.
- 4 Many of our medicines, and all the plants and animals we use for food, come from the natural world.
- 5 In 2011, there was an extreme drought in Texas.
- 6 Finding ways to stop the temperature increasing could mean more jobs and a better future for communities

...../6

10 Read the definitions. Complete the words.

- 1 this makes heat and light
e _ _ _ _ _
- 2 the height of the sea
s _ _ _ l _ _ _ _ _
- 3 moving in a circle
a _ _ _ _ _
- 4 this large elephant with lots of hair lived during the last Ice Age
m _ _ _ _ _
- 5 to make something disappear with fire or heat
b _ _ _ _

...../5

11 Put the processes in the correct order (1–6).

- a Some plants and animals become fossil fuels.
- b Carbon is put back into the atmosphere as carbon dioxide.
- c Plants and animals take in carbon from the atmosphere.
- d Plants and the bodies of animals go into the ground.
- e Plants and animals die.
- f People use fossil fuels in factories and for transport.

...../6

12 A carbon sink is something that takes in carbon and holds it for a long time.

Tick three things that are carbon sinks.

- | | | | | | |
|-----------|--------------------------|----------------|--------------------------|---------|--------------------------|
| factories | <input type="checkbox"/> | forests | <input type="checkbox"/> | land | <input type="checkbox"/> |
| oceans | <input type="checkbox"/> | the atmosphere | <input type="checkbox"/> | the Sun | <input type="checkbox"/> |

...../3

13 Match the two parts of the sentences. Draw a line between them.

- | | |
|-------------------------------------|---|
| 1 Countries need to work hard | a not because of natural causes, but are because of people. |
| 2 When we cut down trees, | b most of the carbon dioxide in them goes back into |
| 3 In the last century, | the atmosphere. |
| the deforestation of rainforests in | c some parts of the world has become a big problem. |
| 4 Deforestation also puts many | d built up over hundreds of thousands of years. |
| 5 The ice in Antarctica has | e animals and plants in danger because it takes away |
| 6 Today's changes in carbon | their habitats. |
| dioxide levels are | f to increase the amount of clean energy they use. |

...../6

14 Complete the text with the correct form of the word in brackets.

The high levels of carbon dioxide in the atmosphere ¹..... (**be**) having a bad effect on our oceans. Across the world, oceans are becoming more ²..... (**acid**). The last time the oceans on Earth were like this was about 250 million years ago. At this time, a huge number of animals became ³..... (**extinction**).

About 30% of the carbon dioxide people put into the atmosphere goes into the oceans. This stops so much carbon dioxide ⁴..... (**stay**) in the atmosphere. Ocean sinks stop the temperature on Earth from getting even ⁵..... (**high**), but they also make the water in the oceans more acidic. ⁶..... (**Science**) are starting to understand the effects that acidic water has on the animals that live in the ocean.

...../6

15 Complete the sentences. Use one, two or three words.

- 1 Storms, dirty seawater and other ocean animals all damage reefs.
- 2 If the ice, it will cause sea levels to increase, maybe by many metres.
- 3 Scientists are also worried about temperature in the Arctic.
- 4 Climate change has had an effect both on the natural world (..... animals) and on people and communities.
- 5 We need to stop burning fossil fuels, forests and damaging soils.

...../5

16 Answer the questions.

- 1 What is an expensive new way of making clean energy?

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- 2 Which carbon sink is an important part of the solution to cutting greenhouse gases?

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- 3 Why is stopping deforestation difficult?

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...../3

17 Complete the summary of Chapter Seven with the words from the box.

cycles everything important prevent solutions things throwing

The Earth's cycles are ¹..... for us to understand so we know how we can ²..... climate change. At the moment, we are using things and then ³..... them away – we use a lot of energy and natural ⁴....., but we don't use them again. We need to find ⁵..... that are like the natural ⁶..... (carbon and water) on Earth – use ⁷..... again, throw away nothing.

...../7

18 Correct the sentences.

1 Many people from across the world has asked for countries to do more to stop climate change.

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2 Finding solutions to climate change to make life better for people in many different ways.

.....

3 A lot of companies are now work with the idea of “zero deforestation” in everything they do.

.....

4 We must finding ways of living on the Earth without damaging it in the way we do today.

.....

...../4

19 Match the definitions with the words in the box.

| | | | | |
|------------|-----|-------|---------|----------|
| atmosphere | cut | cycle | disease | solution |
|------------|-----|-------|---------|----------|

1 make an amount smaller

.....

2 when something is wrong with your body and it makes you ill

.....

3 an answer to a question or problem

.....

4 when things happen again and again in the same way

.....

5 all the gases that are around the Earth

.....

...../5

20 Complete the sentences. Use *must* or *may* and a verb from the box.

| | | | | |
|------|------|------|-----|-----|
| grow | have | plan | see | try |
|------|------|------|-----|-----|

1 Some plants better in a different climate.

2 Climate change also an effect on the amount of water that we have.

3 We some animals become extinct in the future because of climate change.

4 Together, countries how to use the carbon budget, so that we do not use it all too quickly.

5 We also not to use more energy than we need.

...../5

Total/100