

Climate Quiz



Climate Quiz Rules

The Climate Quiz is an easy-to-play game with question cards on climate change. The quiz questions complement the Climate Box textbook and make it easier and more fun for students to learn about climate change issue.

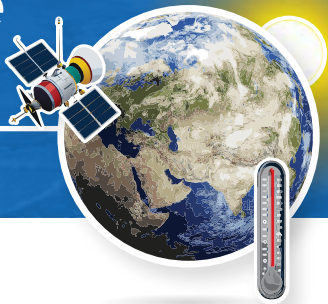
Each of the 100 cards has one question and four suggested answers, only one of which is correct. A player scores one point for each correct answer. The winner is the player who scores the most points.

The Climate Quiz questions are divided into three topics, corresponding to the three sections of the Climate Box textbook:

1. The problem of climate change
2. How climate change affects the natural world and human beings.
Can we adapt to the inevitable consequences of climate change?
3. How to prevent dangerous climate change

The quizmaster can find the correct answers to the questions on a separate card entitled '**Answers**'.

The problem of climate change



1

**Since the middle of the 19th century
the air temperature on Earth:**

A

Has not changed

B

Has fallen

C

Has risen

D

Rose sharply and then fell again

2

By how much has the temperature on Earth risen since the second half of the 19th century?

A

By 1.2°C

B

By 2°C

C

By 5°C

D

By 10°C

3

The layer of air which envelops Earth is called:

A

The hydrosphere

B

The lithosphere

C

The atmosphere

D

The cryosphere

4

Climate is:

A

The weather pattern in a particular territory over a period of many years

B

A feature of the weather specifying the frequency of precipitation

C

The state of the weather in the course of a week

D

What old people remember about weather patterns, weather lore

5

Which of these features is not relevant to climate?

A

Air temperature

B

The pattern of precipitation

C

Dominant winds

D

Longitude

6

What is the climate of Barcelona?

A

Equatorial

B

Temperate

C

Tropical

D

Sub-tropical

7

**A relatively humid climate
is typical in:**

A

Ireland

B

Mongolia

C

North Africa

D

Greece

8

Which climate zone is characterized by high air temperature and much precipitation, falling evenly through the year?

A

Equatorial

B

Sub-equatorial

C

Tropical

D

Sub-tropical

9

What climate does this describe: 'The average temperature in summer is +30°C and in winter +20°C, there is much precipitation, but most of it occurs in the summer'?

A

Equatorial

B

Sub-equatorial

C

Tropical

D

Sub-tropical

10

What air masses are present during the winter in the sub-equatorial climate zone of the northern hemisphere?

A

Arctic

B

Temperate

C

Equatorial

D

Tropical

11

What kind of air masses have high temperature and low humidity?

A

Arctic

B

Temperate

C

Equatorial

D

Tropical

12

Where was the record set for the highest-ever air temperature in the shadow on the planet (56.7°C)?

A

The Namib Desert

B

The Dead Sea

C

Death Valley

D

The Sahara Desert

13

Where is climate warming happening the fastest?

A

In Southern Europe

B

In tropical latitudes

C

In the Arctic

D

In the southern hemisphere

14

What is the name of the science that monitors, studies and forecasts the weather?

A

Climatology

B

Hydrology

C

Glaciology

D

Meteorology

15

What does paleoclimatology study?

A

Climate change that is happening today as a result of human activity

B

Climate in the past

C

Mountain climates

D

Climate in the future

16

Which of these methods do scientists use to find out about the climate on Earth hundreds of thousands of years ago?

A

Study of tree rings

B

Study of bubbles in Arctic ice

C

Study of satellite images

D

Study of meteorological data

17

When did the last glacial period come to an end?

A

About 100 years ago

B

About 1,000 years ago

C

About 10,000 years ago

D

About 100,000 years ago

18

When do scientists expect the next glacial period to begin?

A

Never

B

In 1-3 million years

C

In 10,000-30,000 years

D

In 100,000-300,000 years

19

Which of the following factors has only short-term impact on climate (a few years or decades)?

A

Continental drift

B

Volcanic eruptions

C

Change in the tilt of the Earth's axis

D

Human emissions of greenhouse gases

20

What impact do volcanic eruptions have on climate?

A

They do not have any impact

B

They cause temperatures to rise

C

They cause temperatures to fall

D

They sometimes cause temperatures to rise and sometimes to fall

21

**Which of the following
is a greenhouse gas?**

A

Nitrogen (N_2)

B

Carbon dioxide (CO_2)

C

Carbon monoxide (CO)

D

Oxygen (O_2)

Climate Quiz

Answers



Climate Quiz Answers

1. C

5. D

9. B

13. C

17. C

21. B

2. A

6. D

10. D

14. D

18. C

22. B

3. C

7. A

11. D

15. B

19. B

4. A

8. A

12. C

16. B

20. C