

Climate change and forests

TEST

What learning session did you participate in?

Teacher

Books and bytes

Bytes

1. Which of the following statements describes climate? ___ / 2

Please mark the correct option(s).

- A. "It is raining in Munich."
- B. "Spring in Middle Europe was unusually warm in recent years."
- C. "In Copenhagen there is usually no snow in July."
- D. "Last year's easter season was sunny and warm."

2. Which of the following items influence climate? ___ / 2

Please mark the correct option(s).

- A. Humidity
- B. Altitude
- C. Wind
- D. Temperature

3. Which of the following statements regarding climate zones are true? ___ / 2

Please mark the correct option(s).

- A. "Because of the flat angle of the sun, the polar areas receive less heat through solar radiation."
- B. "Spring, summer, autumn and winter differ significantly in equatorial and tropical regions."

4. How much forest is there on planet earth currently? ___ / 4

Please mark the answer that is closest to reality.

- A. 10 - 20%
- B. around 30%
- C. more than 60%
- D. exactly 50%

5. Which of the following statements regarding climate change are true? ___ / 2

Please mark the correct option(s).

- A. "Within the last 100 years, the average temperature has risen almost 1°C on earth."
- B. "Global warming affects only temperature. Precipitation (rain, snow, etc.) and wind patterns in our atmosphere are not concerned."
- C. "The average temperature on planet earth has never been as high as today in the existence of planet earth."
- D. "The human influence on climate, especially since the beginning of industrialization, is acknowledged by the majority of scientists."

6. What means "natural greenhouse effect" in relation to climate? ___ / 2

Please mark the correct option(s).

- A. "Gases within our atmosphere act like a glass roof of a greenhouse by trapping heat and warming the planet."
- B. "The natural levels of the greenhouse gases within our atmosphere are being supplemented by emissions from human activities."
- C. "The earth's surface and lower atmosphere is warming more rapidly than usually."
- D. "Without the natural greenhouse effect, the average temperature on earth would be much lower than it is at the moment."

7. Where do additional greenhouse gases in our atmosphere come from? ___ / 2

Please mark the answer that is closest to a full answer.

- A. whenever coal, oil or wood is being burned
- B. from huge animal farms
- C. from photosynthesis

8. How do forests affect climate change?

___ / 4

Please mark the correct option(s).

- A. Through photosynthesis, forests act as carbon sink and absorb huge amounts of carbon dioxide (CO₂), one of the greenhouse gases.
- B. Carbon dioxide (CO₂) is released into the atmosphere when trees burn or after they died.

9. What are the main threats to forests in climate change?

___ / 10

Please give examples and explain why these threats are enhanced through climate change.