

Basic Meteorology Quiz

Meteorology · Practice Test · 15 Questions

1. Which layer of the atmosphere is closest to the Earth's surface where most weather occurs?

- A) Stratosphere
- B) Troposphere
- C) Mesosphere
- D) Thermosphere

2. What is the primary source of energy that drives Earth's weather systems?

- A) The Moon
- B) Volcanic activity
- C) The Sun
- D) Ocean tides

3. Which instrument is used to measure air pressure?

- A) Barometer
- B) Thermometer
- C) Anemometer
- D) Hygrometer

4. What is the most abundant gas in Earth's atmosphere?

- A) Oxygen
- B) Carbon dioxide
- C) Hydrogen
- D) Nitrogen

5. What do we call water droplets that form in the sky and fall to the ground in liquid form?

- A) Snow
- B) Hail
- C) Rain
- D) Fog

6. Which instrument is specifically used to measure wind speed?

- A) Wind vane
- B) Anemometer
- C) Rain gauge
- D) Barograph

7. What type of storm is characterized by strong rotating winds and a funnel-shaped cloud?

- A) Tornado
- B) Blizzard
- C) Drought
- D) Heatwave

8. Which clouds are typically thin, wispy, and found at very high altitudes?

- A) Cumulus
- B) Stratus
- C) Cirrus
- D) Nimbus

9. What is the term for the gaseous form of water in the atmosphere?

- A) Oxygen
- B) Water vapor
- C) Nitrogen
- D) Helium

10. What do meteorologists call the seasonal reversal of wind direction that often brings heavy rainfall?

- A) Monsoon
- B) El Niño
- C) Trade winds
- D) Jet stream

11. Which of these is a form of frozen precipitation?

- A) Mist
- B) Dew
- C) Hail
- D) Fog

12. What measurement describes how hot or cold the air is?

- A) Humidity
- B) Temperature
- C) Pressure
- D) Precipitation

13. What is a large-scale weather system with low atmospheric pressure at its center and rotating winds?

- A) Cyclone
- B) Anticyclone
- C) High-pressure ridge
- D) Front

14. What does a hygrometer measure?

- A) Wind speed
- B) Air temperature
- C) Humidity
- D) Atmospheric pressure

15. Which weather phenomenon is caused by the electrical discharge between clouds or the ground?

- A) Thunder
- B) Lightning
- C) Fog
- D) Hail