

# Basic Meteorology Quiz

Meteorology · Answer Key · 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