

# Meteorology Challenge

Meteorology · Answer Key · 10 Questions

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**1. Which layer of the atmosphere contains the majority of Earth's water vapour and is where most weather events occur?**

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

**2. What is the term for the process where liquid water turns into water vapour due to heat?**

- A) Condensation
- B) Precipitation
- C) Evaporation**
- D) Sublimation

**3. Which instrument is specifically used to measure atmospheric pressure?**

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

**4. What type of cloud is typically associated with thunderstorms and heavy precipitation?**

- A) Cirrus
- B) Cumulonimbus**
- C) Stratus
- D) Altocumulus

**5. At what temperature in degrees Celsius does pure water typically freeze at sea level?**

- A) 0**
- B) 10
- C) 32
- D) -5

**6. What is the primary gas that makes up the majority of Earth's atmosphere?**

- A) Oxygen
- B) Carbon Dioxide
- C) Argon
- D) Nitrogen**

**7. Which wind belt is primarily responsible for moving weather systems across the southern parts of Australia from west to east?**

- A) Trade Winds
- B) Westerlies**
- C) Doldrums
- D) Polar Easterlies

**8. What causes the phenomenon known as 'dew' to form on grass in the early morning?**

- A) Rainfall
- B) Condensation**
- C) Transpiration
- D) Sublimation

**9. Which term describes the amount of water vapour present in the air?**

- A) Humidity**
- B) Precipitation
- C) Visibility
- D) Pressure

**10. What is the name of the scale used to classify the intensity of tropical cyclones based on wind speed?**

- A) Richter Scale
- B) Beaufort Scale
- C) Saffir-Simpson Scale**
- D) Fujita Scale