

Meteorology Basics for Teens

Meteorology · Practice Test · 15 Questions

1. What gas makes up the largest percentage of Earth's atmosphere?

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

2. Which layer of the atmosphere is closest to the Earth's surface?

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

3. What instrument is used to measure air pressure?

- A) Thermometer
- B) Anemometer
- C) Barometer
- D) Rain gauge

4. What is the main source of energy for Earth's weather systems?

- A) The Moon
- B) Geothermal heat
- C) The Sun
- D) Ocean currents

5. What do we call the process of water vapor turning into liquid water, forming clouds?

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

6. Which type of cloud typically brings thunderstorms?

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

7. What is the term for wind that blows from the sea to the land during the day?

- A) Land breeze
- B) Jet stream
- C) Sea breeze
- D) Trade wind

8. What is the unit commonly used to measure wind speed?

- A) Meters per second
- B) Kilometers per hour
- C) Miles per hour
- D) All of the above

9. What is the scientific study of the atmosphere and its phenomena called?

- A) Geology
- B) Oceanography
- C) Meteorology
- D) Astronomy

10. What is the term for the imaginary line around which the Earth rotates?

- A) Equator
- B) Prime Meridian
- C) Axis
- D) Tropic of Cancer

11. What type of precipitation is formed when ice crystals fall from clouds?

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

12. Which force causes air to move from areas of high pressure to areas of low pressure?

- A) Gravity
- B) Friction
- C) Pressure gradient force
- D) Coriolis effect

13. What is the term for the average weather conditions in a particular region over a long period?

- A) Weather forecast
- B) Climate
- C) Season
- D) Atmospheric pressure

14. What instrument measures the amount of rainfall?

- A) Barometer
- B) Thermometer
- C) Anemometer
- D) Rain gauge

15. Which part of the atmosphere contains the ozone layer?

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