

Exploring Weather and Seasons

Science · Answer Key · 20 Questions

1. What causes wind?

- A) The Earth spinning on its axis
- B) The movement of clouds
- C) Differences in air pressure**
- D) The sun heating the moon

2. Which season is typically the hottest in Australia?

- A) Autumn
- B) Winter
- C) Spring
- D) Summer**

3. What is precipitation?

- A) When the sun shines brightly
- B) Water falling from the atmosphere to the Earth's surface**
- C) The process of evaporation
- D) A type of cloud formation

4. During which season do leaves on many deciduous trees change colour and fall off?

- A) Spring
- B) Summer
- C) Autumn**
- D) Winter

5. What instrument is used to measure temperature?

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

6. What is a large, swirling storm with strong winds and heavy rain called?

- A) Drought
- B) Tornado
- C) Hurricane (or Cyclone in Australia)**
- D) Blizzard

7. Which season is characterized by longer daylight hours and warmer temperatures in the Southern Hemisphere?

- A) Winter
- B) Autumn
- C) Spring
- D) Summer**

8. What is fog?

- A) Ice crystals in the air
- B) A cloud that forms at ground level**
- C) Steam rising from hot ground
- D) Tiny pieces of dust in the air

9. In which season would you most likely see snow in parts of Australia (like the Australian Alps)?

- A) Spring
- B) Summer
- C) Autumn
- D) Winter**

10. What is the process called when water turns from a liquid into a gas (water vapour)?

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

11. Which season in the Southern Hemisphere is known for new growth and blooming flowers?

- A) Winter
- B) Summer
- C) Autumn
- D) Spring**

12. What do we call the amount of water vapour in the air?

- A) Temperature
- B) Humidity**
- C) Air pressure
- D) Wind speed

13. Which season typically brings shorter days and cooler temperatures to the Southern Hemisphere?

- A) Summer
- B) Autumn
- C) Spring
- D) Winter**

14. What is a barometer used to measure?

- A) Wind speed
- B) Air pressure**
- C) Temperature
- D) Rainfall

15. What is the main cause of the different seasons on Earth?

- A) The Earth is closer to the Sun in summer
- B) The Earth's tilt on its axis as it orbits the Sun**
- C) The Moon's gravitational pull
- D) Changes in the Sun's brightness

16. What is hail?

- A) Soft, fluffy snow
- B) Solid pieces of ice falling from clouds**
- C) Tiny water droplets that float
- D) Frozen rain

17. In the Southern Hemisphere, when does Autumn typically occur?

- A) December to February
- B) March to May**
- C) June to August
- D) September to November

18. What is an anemometer used to measure?

- A) The amount of rain
- B) The direction of the wind
- C) The speed of the wind**
- D) The temperature of the air

19. What phenomenon involves a flash of light in the sky, followed by thunder?

- A) Rainbow
- B) Aurora
- C) Lightning**
- D) Mirage

20. Which season in the Southern Hemisphere is generally characterized by the leaves changing colour and falling from trees?

- A) Spring
- B) Summer
- C) Autumn**
- D) Winter