

Weather and Climate Quiz PDF

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Which tool is used to measure wind speed?

- Hygrometer
- Anemometer
- Barometer
- Rain Gauge

Which instrument is used to measure atmospheric pressure?

- Thermometer
- Anemometer
- Barometer
- Hygrometer

What is the primary difference between weather and climate?

- Weather is short-term atmospheric conditions, while climate is long-term.
- Weather refers to long-term atmospheric conditions, while climate is short-term.
- Weather is measured in years, while climate is measured in days.
- Weather is constant, while climate changes daily.

What are the characteristics of a Mediterranean climate? (Select all that apply)

- Hot, dry summers
- Cold, snowy winters
- Mild, wet winters
- High humidity year-round

Explain the difference between weather and climate with examples.

Describe how El Niño affects global weather patterns.

What is the term for the boundary between two different air masses?

- Cyclone
- Front
- Vortex
- Trough

Which instruments are used to measure precipitation? (Select all that apply)

- Rain Gauge
- Barometer
- Anemometer
- Radar

Which of the following is NOT a component of weather?

- Temperature
- Humidity
- Soil composition
- Wind

Which climate zones are characterized by dry conditions? (Select all that apply)

- Polar
- Arid
- Mediterranean
- Temperate

Which of the following are components of weather? (Select all that apply)

- Temperature
- Humidity
- Air Pressure
- Soil Type

Which climate zone is characterized by hot and humid conditions year-round?

- Polar
- Temperate
- Arid
- Equatorial

What are the potential impacts of global warming on polar regions?

How do human activities contribute to climate change? Provide specific examples.

Discuss the role of satellites in modern weather forecasting.

What strategies can be implemented to adapt to the effects of climate change?

What are the effects of climate change? (Select all that apply)

- Global Warming
- Increased biodiversity
- Sea Level Rise
- More frequent extreme weather events

What phenomenon is characterized by the warming of the Pacific Ocean and affects global weather patterns?

- Monsoon
- El Niño
- Tornado
- Hurricane

Which technologies are used in weather forecasting? (Select all that apply)

- Satellites
- Barometers
- Computer Models
- Hygrometers

What is the main cause of sea level rise?

- Increased rainfall
- Melting ice caps and expanding seawater
- Decreased atmospheric pressure
- Increased volcanic activity