

Name _____

Weather Watch Quiz #3 /24

Outcomes:

- Describe the effects of the sun's energy on daily and seasonal changes in temperature.
- Recognize that weather systems are generated because different surfaces on the Earth absorb and release heat differently.
- Understand that climate refers to long term weather trends.
- Recognize that human actions can affect climate and relate human actions to the greenhouse effect.

Terms to know

Earth's Axis
Concentrated light
Direct light
Equator
Poles
Humidity
Saturated
Seasons
Climate
Weather
Control Variables

Responding Variables
Manipulated variable
Global Warming
CO₂- Greenhouse gasses
Climate Zones- Polar
Temperate
Arid
Tropical
Mediterranean
Tundra

Practice Questions (These look a lot like the ones on the quiz)

1. Why is it cold in the Northern hemisphere in the winter?
2. What is happening to the Earth and Sun when the "Sun rises"?
3. Where is sun most direct on the Earth? How does this affect climate there?
4. What time of day is the sun most direct?
5. What is the climate like in the Temperate Zone? Arid Zone?
6. What are the control variables in an experiment?
7. Why is climate more stable (mild nights and warm days) when an area is surrounded by an ocean?
8. What is global warming and how have humans caused this?
9. How can humans help slow or stop global warming problems?
10. Name and describe the weather patterns in two different climate regions.

