Name: Class: 3/__ Date: __/__/____

Review

What is Climate?

Climate is the pattern of weather at a certain place over a long period of time.

A climate is described by average temperature and precipitation.

Climate is based on the location of the place on Earth.

Types of climate zones

Hot and dry (Desert) Cold and dry (Polar)

hot and humid(wet) (Tropical) hot or cold/dry or wet(Temperate)

For more explanation: https://youtu.be/iA23Sm-HI4I

What are seasons?

Seasons are times of the year with different weather patterns.

Earth's four seasons are winter, spring, summer, and fall (Autumn).

The north and south halves of Earth have opposite seasons at a given time.

Reason of different seasons: Earth is tilted and moves around Sun.

Types of Seasons:

Winter: Coldest season. Sun's path is lower in sky, Days are short, and nights are long. Precipitation may occur as snow.



Spring: Sun's path begins to rise. Temperature is warm. Days start to become long. The plants start to bloom.

Summer: Hottest season. Sun is higher in the sky. Days are very long.

Fall or Autumn: Less daylight hours than summer. The temperature starts to drop.

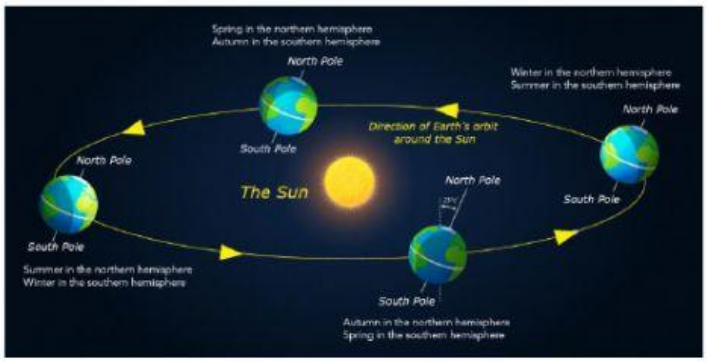
Earth and Climate

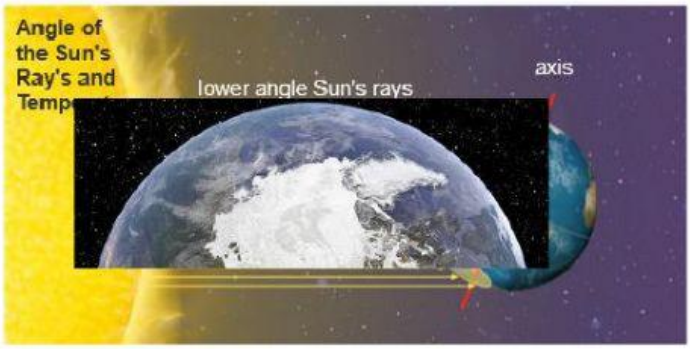
LIVEWORKSHEETS

Name: Class: 3/__ Date: __/__/____

Earth has an imaginary line called AXIS.

Earth is constantly moving on its axis. The axis is tilted, and this is main reason for different seasons.





Factors that affect climate

Water: Being near ocean or any other big water body affects the climate.

In summers ocean water is cooler than the nearby land and this keeps the air above the land nearby cool. In winters the air above the water is warmer than the nearby land and due to this the area near the water body don't have extreme climates.

Height/Altitude: Air temperature will be less as the height of the place will increase.

Mountain: Mountain affect how wet the climate is. One side of the mountain might be wet, while the other side might be dry.

For more explanation: https://youtu.be/w9o-AlVtazM

Weather and Seasons

1. Climate is a pattern of weather in a certain place over a long period of time.
   a. True
   b. False

2. What kind of climate would you find at the North Pole and the South Pole?
   a. Polar
   b. Tropical
   c. Desert
   d. Temperate



LIVEWORKSHEETS

Name: Class: 3/__ Date: __/__/____

3. What kind of climate is hot and wet all year round?
   a. Polar
   b. Tropical
   c. Desert
   d. Temperate



4. What kind of climate is hot and dry all year round?
   a. Polar
   b. Tropical
   c. Temperate
   d. Desert



5. How many seasons are there in a year?
   a. 1
   b. 4
   c. 12

6. Which season is the coldest?
   a. Winter
   b. Spring
   c. Summer
   d. Autumn

7. In which season do the leaves come back on the trees and animals are born?
   a. Winter
   b. Spring
   c. Summer
   d. Autumn



8. In which season do all the leaves fall of the trees?
   a. Winter
   b. Spring
   c. Summer
   d. Autumn



LIVEWORKSHEETS

Name: Class: 3/__ Date: __/__/____

9. Which season is the hottest?
   a. Winter
   b. Spring
   c. Summer
   d. Autumn



10. Why do we have seasons?
   a. The Earth's axis is tilted.
   b. The sun gets hotter and colder during the year.
   c. The Earth changes shape every 3 months.

11. The Earth is hottest at the equator.
   a. True
   b. False



12. Being near an ocean or a body of water affects the climate.
   a. True
   b. False



13. What is the name of a scientist who studies the climate?
   a. Meteorologist
   b. Weatherologist
   c. Climatologist



LIVEWORKSHEETS