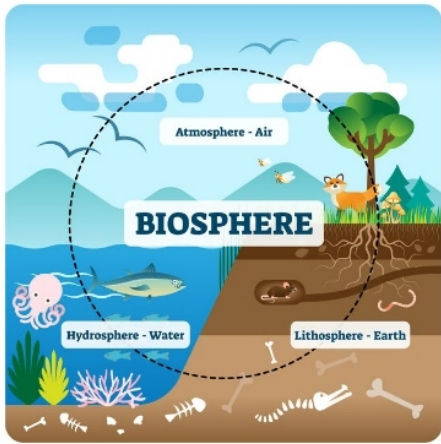


Day 9 - Biology - 9-3-24 to 9-6-24

CLASSWORK - Ecology



Biosphere	The part of Earth that contains all ecosystems	
Ecosystem	Community and its nonliving surroundings	
Community	Populations that live together in a defined area	
Population	Group of organisms of one type that live in the same area	
Organism	Individual living thing	
Groups of Cells	Tissues, organs, and organ systems	
Cells	Smallest functional unit of life	
Molecules	Groups of atoms, smallest unit of most chemical compounds	

BIOMES, ECOSYSTEMS, AND HABITATS

WHAT IS THE DIFFERENCE?

A **biome** refers to a region of the world characterized by its resident life, environment, and climate. Temperature, precipitation, and amount of sunlight affect what type of life exists in a particular biome and which organisms and biotic factors are most common. There are a number of biomes around the world, including aquatic, terrestrial, desert, tundra, and marine biomes.

The **largest** or **largest** biome is the **tropical rain forest**. The largest biome is the **tropical rain forest**, which covers about 10% of the Earth's land area. It is found in the equatorial regions of South America, Africa, and Asia. The climate is hot and humid, with high rainfall and high temperatures. The large amount of rainfall and high temperatures allow for a high density of plants and animals. The amount that reaches the ground is usually about 100 inches each year. For each biome, there are several different types of organisms that live there.

The **smallest** or **smallest** biome is the **desert**. The smallest biome is the **desert**, which covers about 20% of the Earth's land area. It is found in the arid regions of North America, Africa, and Asia. The climate is hot and dry, with low rainfall and high temperatures. The small amount of rainfall and high temperatures allow for a low density of plants and animals. The amount that reaches the ground is usually about 10 inches each year. For each biome, there are several different types of organisms that live there.

A **habitat** is specific to a species or population of organisms, whereas the **biome** is a habitat.

Consider the habitat of the **Chinook salmon**. This migratory fish lives in freshwater and marine environments depending on where it settles in the Pacific Ocean. Consider where you find the **Chinook salmon** in the Pacific Ocean. They are found in fresh water, like the **Yukon River**, and then migrate to the Pacific Ocean at their mature. However, when it comes to species, they return to their water.

NATIONAL GEOGRAPHIC

1) **QUIZ REVIEW:** As a class, review quiz topics.

2) **QUIZ:** Answer quiz questions on a sheet of lined paper with a proper heading.

3) VIDEO NOTES:

a) Ecological Relationships – Amoeba Sisters

<https://www.youtube.com/watch?v=rNjPI84sApQ>

b) Ecology - CrashCourse

<https://www.youtube.com/watch?v=izRvPaAWgyw>

c) Food Webs and Energy Pyramids – Amoeba Sisters

<https://www.youtube.com/watch?v=-oVavgmveyY>

4) HOMEWORK:

Complete the **Video Notes**.

Submit work on Schoology as soon completed.