

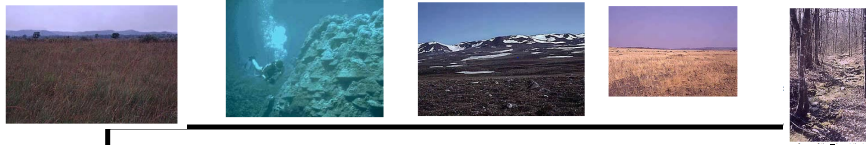
Biosphere

Bio means “life.” The biosphere is made up of all the living things on Earth and it includes fish, birds, plants, and even people.

The living portion of the Earth interacts with all the other spheres. Living things need water (hydrosphere), chemicals from the atmosphere, and nutrients gained by eating things in the biosphere.



biome - a group of terrestrial communities that covers a large area and is characterized by certain soil and climate conditions and particular plants and animals



Five Major Types of Biomes

Aquatic
Deserts
Forests
Grasslands
Tundra



Add to notes

To understand a world biome, you need to know:

- What the climate of the region is like.
- Where each biome is found and what its geography is like.
- The special adaptations of the vegetation.
- The types of animals found in the biome and their physical and behavioral adaptations to their environment.

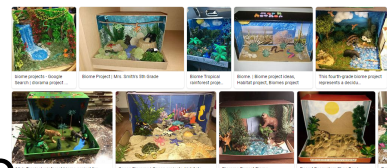


Biome Project

See next page for list

In groups you will design a poster board

Rubric on next page



Five Major Types of Biomes

- Aquatic
- Deserts
- Forests
- Grasslands
- Tundra



Biome Project RUBRIC

Criteria	4 Points	3 Points	2 Points	1 Point	0 Points
5 Facts about Animals	Includes 5 accurate facts about animals in the biome.	Includes 4 accurate facts about animals in the biome.	Includes 3 accurate facts about animals in the biome.	Includes 2 accurate facts about animals in the biome.	Includes less than 2 accurate facts about animals in the biome.
5 Pictures of Animals	Includes 5 clear and relevant pictures of animals in the biome.	Includes 4 clear and relevant pictures of animals in the biome.	Includes 3 clear and relevant pictures of animals in the biome.	Includes 2 clear and relevant pictures of animals in the biome.	Includes less than 2 clear and relevant pictures of animals in the biome.
Characteristics for Animal Survival	Provides a thorough explanation of how animals in the biome have adapted to survive.	Provides a good explanation of how animals in the biome have adapted to survive.	Provides a basic explanation of how animals in the biome have adapted to survive.	Provides a limited explanation of how animals in the biome have adapted to survive.	Does not provide an explanation of how animals in the biome have adapted to survive.
5 Facts about Weather	Includes 5 accurate facts about the weather in the biome (season, precipitation).	Includes 4 accurate facts about the weather in the biome (season, precipitation).	Includes 3 accurate facts about the weather in the biome (season, precipitation).	Includes 2 accurate facts about the weather in the biome (season, precipitation).	Includes less than 2 accurate facts about the weather in the biome (season, precipitation).
5 Facts about Plants/Vegetation	Includes 5 accurate facts about the plants/vegetation of the biome.	Includes 4 accurate facts about the plants/vegetation of the biome.	Includes 3 accurate facts about the plants/vegetation of the biome.	Includes 2 accurate facts about the plants/vegetation of the biome.	Includes less than 2 accurate facts about the plants/vegetation of the biome.
Location on World Map	Correctly identifies and labels the location of the biome on a world map.	Identifies and labels the location of the biome on a world map with minor errors.	Identifies and labels the location of the biome on a world map with some errors.	Attempts to identify and label the location of the biome on a world map with major errors.	Does not identify or label the location of the biome on a world map.
2 Potential Environmental Problems	Identifies and elaborates on two potential environmental problems within the biome.	Identifies and briefly describes two potential environmental problems within the biome.	Identifies and briefly describes one potential environmental problem within the biome.	Identifies one potential environmental problem within the biome with limited description.	Does not identify any potential environmental problems within the biome.
Neatness and Organization	The poster is neat, well-organized, and visually appealing with clear headings and sections.	The poster is mostly neat and well-organized with clear headings and sections.	The poster is somewhat neat and organized with some clear headings and sections.	The poster is messy or disorganized with unclear headings and sections.	The poster is extremely messy or disorganized with no clear headings or sections.

biosphere - contains the combined portions of the planet in which all life exists, including land, water, and air, or atmosphere.

- extends from about 8 km above Earth's surface to as far as 11 km below the surface of the ocean

Biosphere 2 Jayne Pointer



Attachments

NOTES - Ecological Organization.pdf

TEXT - Water and Nitrogen Cycles.pdf

Science 7 Rock Assignment 1.docx