Finding the Right Biome

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The Earth is made up two main types of biomes: land biomes and aquatic biomes. In each type of biome are organisms that are uniquely suited to that particular environment. In this activity, you will consider six major land biomes and four divisions of the marine biomes in order to decide which types of organisms are best suited to each biome.

Match the descriptions of the sea organisms to the zone that is best suited to the adaptations of that organism.

Life Form Description Life zone best suited to

1. Diatoms Free-floating plants that require \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sunlight to produce food. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Must remain in shallow water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

where nutrients are readily.

Available or must be up-welling

of nutrient-rich water that moves

toward the shore.

1. Seaweed Needs sunlight to produce food

and must be anchored to the bottom \_\_\_\_\_\_\_\_\_\_\_\_\_\_

to extract nutrients from the sediment. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Blue whale Adapted to filter small organisms \_\_\_\_\_\_\_\_\_\_\_\_\_\_

from ocean water for food. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Needs extremely large amounts \_\_\_\_\_\_\_\_\_\_\_\_\_\_

of food each day. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Squid Have extremely large light-gathering \_\_\_\_\_\_\_\_\_\_\_\_\_\_

organs adapted to very dim light. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Remain in cold temperatures. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Anglerfish Contains light-producing organs \_\_\_\_\_\_\_\_\_\_\_\_\_\_

that attract prey in the very dim \_\_\_\_\_\_\_\_\_\_\_\_\_\_

light and total darkness of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_

deep ocean.

1. Lobster Bottom-dwelling animal that lives \_\_\_\_\_\_\_\_\_\_\_\_\_\_

between the average low-tide \_\_\_\_\_\_\_\_\_\_\_\_\_\_

level of the ocean and the edge \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

of the open sea. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Clams Bury themselves in sand to protect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

themselves from waves. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Are able to live, buried in moist \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

sand, during periods when the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ocean bottom is exposed to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

atmosphere. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Crinoids Bottom-dwelling animals that are

anchored on the ocean floor. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Live under extremely high water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

pressures in the absence of sunlight. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_