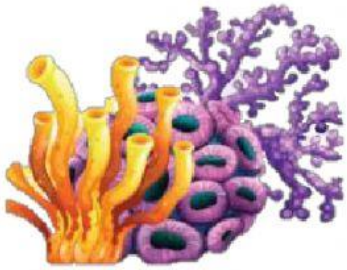


Sponges



Name: **Date:**

Directions: Answer each question about sponges.

Sponges are marine animals, and they are invertebrates (animals without a backbone). They usually remain anchored in one place all their lives. Sponges are filter feeders (they filter tiny particles of food from the water). A sponge has only two layers of cells. The outer covering of the sponge's body is covered with tiny holes called pores. These pores lead to tiny canals that are made up of specialized cells with whip-like structures that beat rapidly. This motion helps to pump water into the canals. Thread-like structures remove the tiny pieces of food from the water. The water then flows out through an opening called a vent. Sponges have needle-like parts that give them shape. Different species of sponges have different colours, shapes, and sizes. Sponges are found on reefs in The Bahamas. At one time, Bahamian fishermen harvested sponges that were sold to foreign countries. The sponges were processed into a variety of household items that could be used for decoration and bathing. At that time, the sponging industry was the most important economic activity in The Bahamas. Sponge reproduces using asexual and sexual reproduction. Asexual means that a sponge is both male and female. In asexual reproduction which is called budding this when a piece of sponge breaks off, and it is able to sustain life and grow, regenerate. In sexual reproduction, the sperm of the male is released into the water, and it travels to the female egg.

1. **The holes on sponges are called _____ [1]**

2. **Sponges are _____ animals and they are _____. [2]**

3. **Use the numbers 1 – 4 to show how water flow through sponges. [4]**

   _____ water is purified

   _____ thread-like structures remove pieces of food

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_____ **pores lead to canals**

_____ **water flows to the vents**

4. The _____ parts give shape to the sponge. [1]

5. Where are sponges found in The Bahamas? [1]

_____

6. Name three ways sponges are used. [3]

_____ _____

_____

7. Sponges are also known as [2]

_____ _____

8. How many layers of cells do sponges have? [1]

_____

9. Which invertebrate use asexual reproduction? [1]

_____

10. Define the term asexual reproduction. [2]

_____

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