Name:

Vertebrates & Invertebrates

Read the passage and answer the questions below.



Vertebrates and invertebrates are the two major classifications of ocean animals.

Fish, amphibians, reptiles, birds, and mammals (including you!) are all examples of vertebrates. Vertebrates share common features such as a hollow backbone and skeleton, either made up of bones or cartilage, a braincase or cranium that protects the brain, muscles, and nerves that run up the back.

Vertebrates are very smart animals, have a very advanced nervous systems, and tend to be larger in size then invertebrates. All vertebrates also have bilateral symmetry, which means both the left and the right side of the body are exactly the same, and all vertebrates have specific sex organs assigned to males and females that are used for reproduction.

There are over 50 thousand types of vertebrate species in the world, which sounds like a lot, but compared to invertebrates, vertebrates only make up a small amount of the animals on earth.

Invertebrates make up 95% of these ocean species and are classified into six groups:

- Arthropods- which have a rigid outer skeleton (insects, spiders, shrimp, scorpions, centipedes)
- Mollusks- these animals have a soft body without legs and a hard outer shell (clams, squids, snails)
- [illegible] different types of worms
- [illegible] using an ambulatory system (star fish, sea urchins)
- [illegible] only live in the water and have soft, jelly like [illegible] float in [illegible] tentacles [illegible] substances [illegible] jellyfishes, man-[illegible], co[illegible]
- [illegible] simple animals that look like plants and attach to [illegible]

[illegible] possibly millions of undiscovered [illegible] species still [illegible] ws what new species wi[illegible]!

[illegible]ebrates typically [illegible] common?

What [illegible] of ocean species are invertebrates?

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FUN, INFORMATIONAL TEXTS ENCOURAGE STUDENTS TO DIVE DEEPER INTO CONCEPTS.

Name:

The Kelp Forest Habitat

Read the passage and answer the questions below.



Earth is often called "the blue planet" because water covers over 3/4th of the Earth's surface. The ocean is the largest biome on Earth. A biome is a naturally occurring community of plants and animals that live in a habitat. There are many different types of habitats in the ocean. Some habitats are easy to see so we know what plants and animals live there. However, other habitats are still being explored and new species are being discovered.

One habitat in the book Over and Under the Wave is a kelp forest. Kelp forests are homes to over 1,000 species of plants and animals.

Kelp is a brown, nutrient rich algae that looks like a tree. It grows tall very quickly. Kelp does not have roots, instead it holds onto the rocky bottom of the ocean. Many different species live in the kelp because it is a source of food. It also creates a canopy that is used as protection. Whales, seals, sea [illegible] and otters are just some of the animals that call the kelp forest their home.

[illegible] located off of California, which is the setting of the book Over and Under the Waves, are created by a mixing of cold [illegible] nts that creates [illegible] nts that can only be found in this area.

Both natural [illegible] man-made events help to influence kelp fore[illegible] water temperature [illegible] fishing are some of the events w[illegible] affe[illegible] the kelp and the animals that call these forests home. It is imp[illegible] part t[illegible] that [illegible] forests, and the animals that live inside [illegible] [illegible] is by knowing about [illegible] committing to [illegible] problems that has disrupt[illegible] chain. This has caused overgrazing of [illegible] and [illegible] disappearance of several kelp forests across the world. To help prevent th[illegible] happ[illegible] protected areas have been created to help stop the negative affects that hu[illegible] kelp forests.

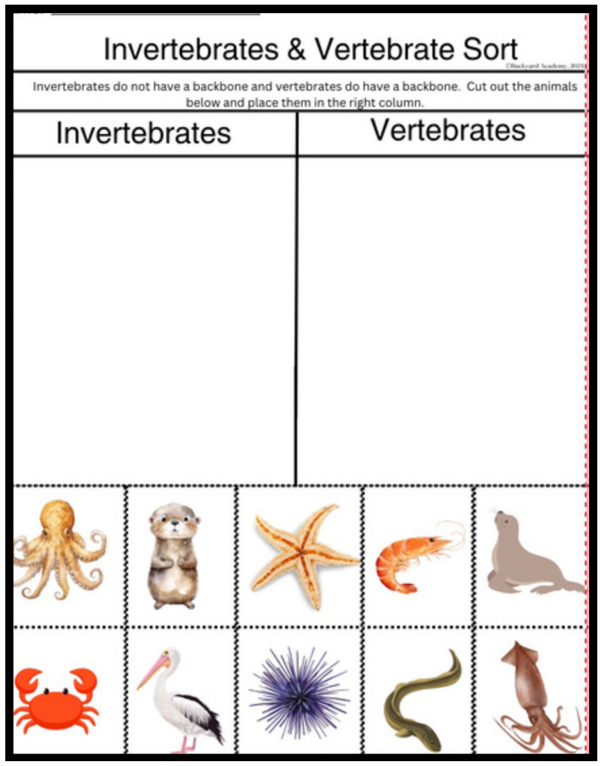
What is a biome?

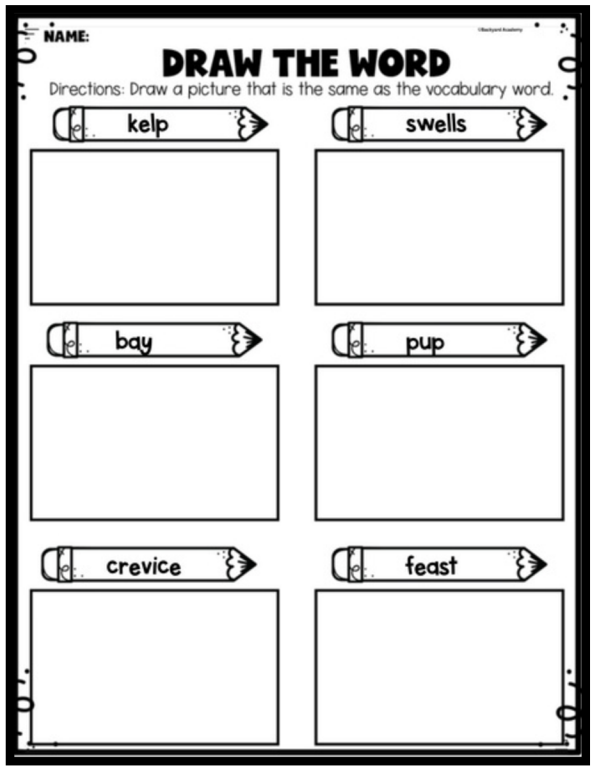
How much of the Earth is covered in water?

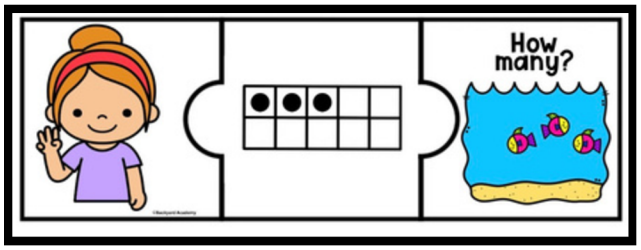
STUDENTS WILL LEARN THE DIFFERENCE BETWEEN VERTEBRATE AND INVERTEBRATE ANIMALS AND EXPLORE THE KELP FOREST HABITAT.

Fun Activities & Games

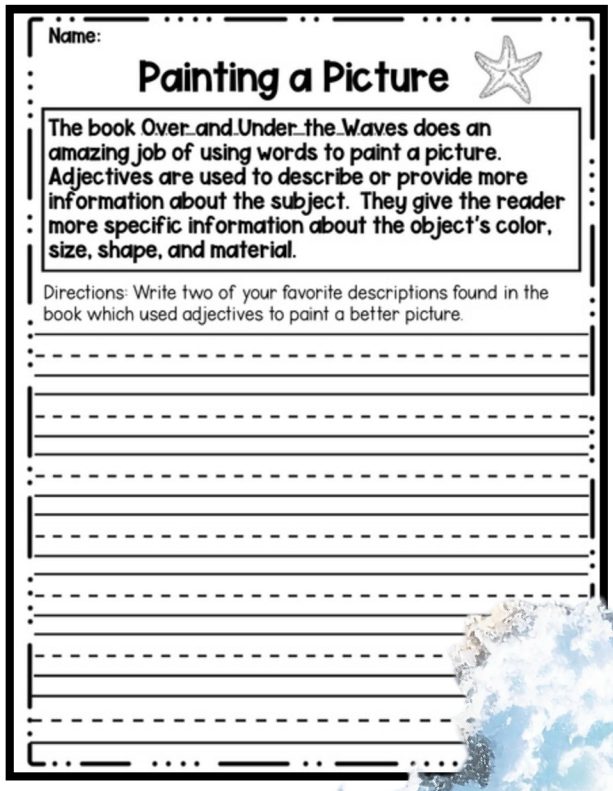


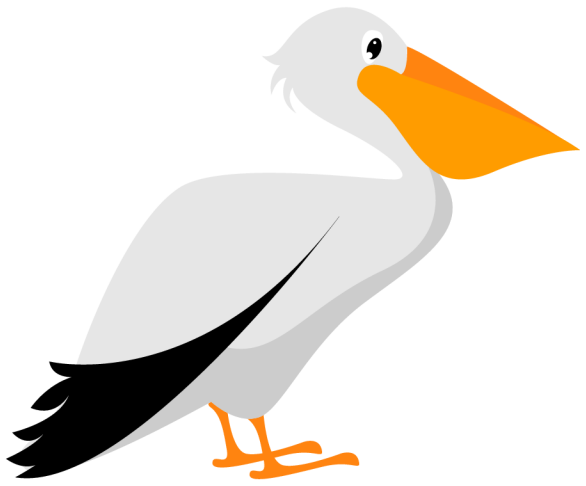






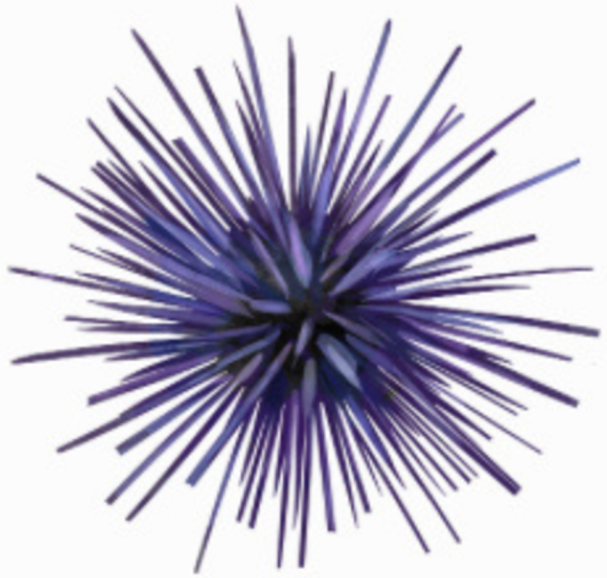






Multi-sensory activities for different learning needs





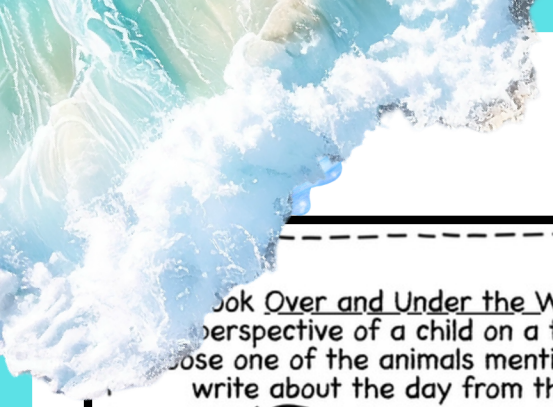
Sea Urchin

This animal lives in every ocean across the globe and in every depth of the ocean zone. They have hard shells that are round and covered by spines. They move slowly by crawling on their tube feet and propel themselves with their spines.

Sea Urchin

Two Versions of Bingo provided with 25 unique cards

Differentiated Writing Printables















Perfect for different needs or for scaffolded learning!







