



**biologist**

## Routine for Lesson Vocabulary

**Introduce** This biologist is studying life in the sea. A biologist is a scientist who studies living things, including their origins, structures, activities, and distribution. Let's say the word together: *biologist*.

**Demonstrate** The zoo hired a biologist. A biologist may spend time outdoors or inside a lab. A biologist who studies animals is also called a zoologist.

**Apply** Name some places that might need to hire a biologist. What work would the biologist do there?

**Display** Now I will write the word on the board. Let's read the word together: *biologist*.

## Team Talk

- Tell your partner which plants or animals you would want to study if you were a biologist. Explain how and where you would spend your days.
- Look at the photograph on the front of this card. Take turns explaining the following things about the scene: what the biologist is doing, why the sea animal is not afraid, and what will happen next.
- Take turns completing this sentence frame:  
Because she was studying to be a biologist, Maureen learned about \_\_\_\_\_.





**bluff**

## Routine for Lesson Vocabulary

**Introduce** This bluff overlooks the ocean. A bluff is a high, steep slope or cliff. Let's say the word together: *bluff*.

**Demonstrate** Visitors enjoyed the view from the bluff. From the bluff, we saw waves hitting the rocks below. Seabirds made their nests in the steep, rocky bluff by the sea.

**Apply** Why might a bluff be a good location for a military lookout?

**Display** Now I will write the word on the board. Let's read the word together: *bluff*.

## All Together

- The word *bluff* is a multiple-meaning word. I'm going to tell you two sentences using the word *bluff*. If *bluff* means "a high, steep slope or cliff," say "Yes." If it doesn't, say "No."

It would be difficult to climb to the top of a bluff.

The pitcher might bluff a throw to first base.

- I'm going to read you a sentence. *The rock climbers hauled themselves up the face of the bluff.* What does *bluff* mean? Let's choose a meaning and say it together.







**lagoon**

## Routine for Lesson Vocabulary

**Introduce** Trees surround this lagoon. A lagoon is a pond or small lake, especially one that is connected with a larger body of water. Let's say the word together: *lagoon*.

**Demonstrate** We swam in the lagoon. The water in the lagoon was clear and warm. The sailboat anchored in the lagoon to avoid the high winds and huge waves of a storm.

**Apply** Would you see a big boat like an ocean liner in a lagoon? Why or why not?

**Display** Now I will write the word on the board. Let's read the word together: *lagoon*.

## Pencil Talk

- Look at the photograph on the front of this card. Write a sentence describing the lagoon. Use the word *lagoon* in your description.
- Draw a picture of a lagoon that is connected to the sea. Show several animals that might live there. Then write a sentence about your picture. Use the word *lagoon* in your sentence.
- Write the word *lagoon* at the top of a sheet of paper. Make two columns below the word. In the first column, write words and phrases that describe a lagoon. In the second column, list things you would expect to find in a lagoon.







**massive**

## Routine for Lesson Vocabulary

**Introduce** The trunk of this tree is massive. *Massive* means “big and heavy; bulky.” Let’s say the word together: *massive*.

**Demonstrate** The castle had massive walls. An adult panda is massive next to its newborn baby. The cruise ship was massive, holding several thousand passengers and many crew members.

**Apply** What kind of animal could carry a massive load? Why?

**Display** Now I will write the word on the board. Let’s read the word together: *massive*.

### Action!

- Show how you carry a massive stack of books.
- Let’s imagine we are walking on a path. It is blocked by a massive boulder. Let’s show how we would pry the boulder loose using crowbars.
- Show how you would look at a massive mural covering a long, high wall.







**rumbling**

## Routine for Lesson Vocabulary

**Introduce** The huge truck is making a rumbling noise. *Rumbling* means “making a deep, heavy, continuous sound.” Let’s say the word together: *rumbling*.

**Demonstrate** A rumbling sound was coming from the street. The rumbling trucks formed a long line. The rumbling noise we heard in the distance was thunder.

**Apply** If you hear a rumbling noise from a volcano, what is likely to happen next?

**Display** Now I will write the word on the board. Let’s read the word together: *rumbling*.

## All Together

- I’m going to describe some actions. If you think a rumbling noise goes with the action, say “Rumbling.” If it does not, say “Not rumbling.”

coal being dumped down chutes into trucks  
flies buzzing around people’s heads  
a barge floating on a river

- I’m going to read you a sentence. *The rumbling sound was a lion purring right next to me.* What does *rumbling* mean?





**tropical**

## Routine for Lesson Vocabulary

**Introduce** This photograph shows a tropical scene. *Tropical* means “of or like the regions near the equator, where the sun is the brightest and the temperature is the hottest.” Let’s say the word together: *tropical*.

**Demonstrate** The heat today feels almost tropical. A tropical climate is hot and humid. Aidan dreamed of living on a tropical island, where it was always sunny and hot.

**Apply** What makes a tropical region so hot?

**Display** Now I will write the word on the board. Let’s read the word together: *tropical*.

## Pencil Talk

- Draw a picture of a tropical island. Show some plants and animals that live there. Then write a sentence about your picture. Use the word *tropical* in your sentence.
- Look at the photograph on the front of this card. Imagine you are walking on this beach. Write what you hear, see, feel, smell, and taste. Include the word *tropical* in your writing.
- Imagine you are going on a tropical vacation. Make a list of the clothes and equipment you will take with you.

