

biologist

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

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

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.

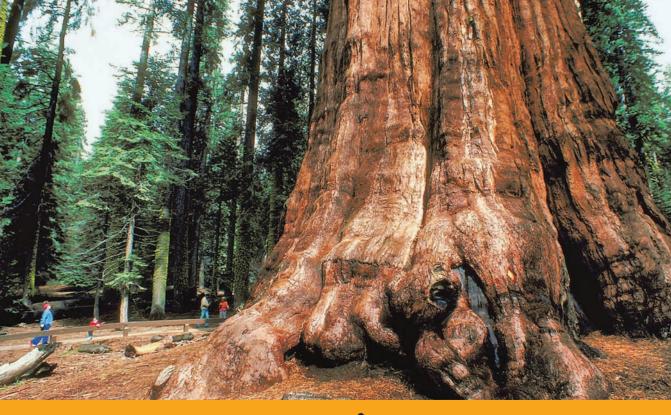
Apply Would you see a big boat like an ocean liner in a lagoon? Why or why not?

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

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

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.

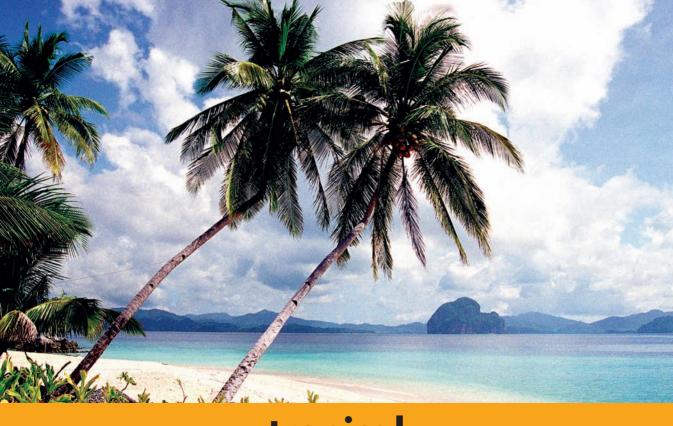
Apply If you hear a rumbling noise from a volcano, what is likely to happen next?

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

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.

