



Reading  
Fluency  
Builder

e-future

# DISCOVERY

6.2

Word Count 260

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- What are corals?
- How do sea animals breathe?
- What are plankton?
- What lives in the deep sea?

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### Discover in Reading

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- Who was Dizzy Gillespie?
- Why was ultramarine blue so expensive?
- What types of plays did Shakespeare write?
- What are hanoks?

## Travel & Tourism

### Discover in Reading

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- **Why** did the Model T become so popular?
- **How** do subway systems benefit cities?
- **What** is the longest railway in the world?
- **What** are the floating mountains of Zhangjiajie?

## The Future

### Discover in Reading

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- **How** will AI evolve?
- **What** makes Singapore a futuristic city?
- **How** do futurists predict the future?
- **What** did Jules Verne predict about the future?



# Under the Sea

Discover

What

Unit 1

**All about Corals**

Discover

How

Unit 2

**Oxygen-Efficient**

Discover

What

Unit 3


**Drifters of the Sea**

Discover

What

Unit 4

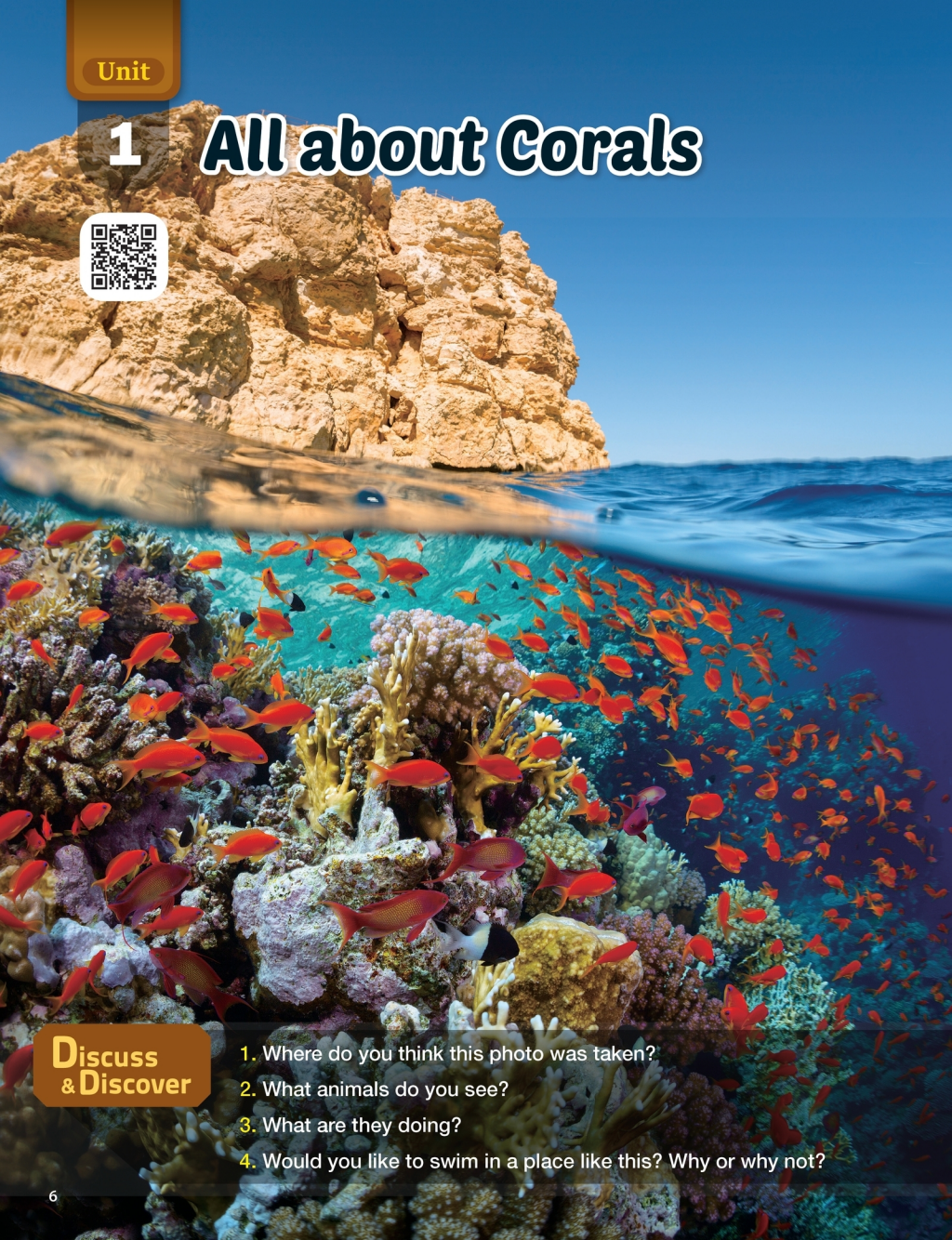
**Monsters of the Deep**



As humans, we see nothing but water and waves when we look out to the sea. But just below the surface exists a wonderful world full of life, color, and movement. Over 80% of all life on Earth lives under the sea. Some creatures are so tiny that they can barely be seen, and others live so deep that they have not yet been discovered. So, let's dive in and explore what lies beneath the water.

1

# All about Corals



## Discuss & Discover

1. Where do you think this photo was taken?
2. What animals do you see?
3. What are they doing?
4. Would you like to swim in a place like this? Why or why not?

## Key Words

### A Listen and repeat the words. 01

- |            |             |           |            |
|------------|-------------|-----------|------------|
| 1 abundant | 2 attach    | 3 diverse | 4 organism |
| 5 skeleton | 6 socialize | 7 spread  | 8 vibrant  |

### B Choose and write the correct words from A.

- \_\_\_\_\_ : the connected bones inside an animal or person
- \_\_\_\_\_ : including many different kinds of people or things
- \_\_\_\_\_ : to cover a larger area
- \_\_\_\_\_ : existing in very large amounts
- \_\_\_\_\_ : to spend time with others
- \_\_\_\_\_ : very bright and strong
- \_\_\_\_\_ : a living thing
- \_\_\_\_\_ : to connect or join together

### C Choose and complete the sentences.

socialize    attached    skeletons    vibrant    abundant    spread

- Grandpa \_\_\_\_\_ a hook to the end of his fishing line.
- I knocked over my cup, and orange juice \_\_\_\_\_ over the table.
- Emily used a(n) \_\_\_\_\_ shade of orange to paint the sun.
- The museum has a collection of fossils from different dinosaur \_\_\_\_\_.
- Ben went to the party to \_\_\_\_\_ with his friends from school.
- The \_\_\_\_\_ rain that fell during the storm caused a flood.

# All about Corals

▶ 02

Coral reefs are very much like the rainforests of the ocean. They create a **diverse** environment that is full of life and color. So, what exactly are corals?

Corals are small animals called polyps. An individual polyp is a sea creature that looks like an upside-down jellyfish. Much like jellyfish, they have a soft body, a mouth, and stinging tentacles. Corals grow **skeleton**-like layers that protect their bodies. These layers also keep them **attached** to the ocean floor and connected to one another.

A coral's **vibrant** colors come from tiny algae living within them. During photosynthesis, these algae reflect different colors of light. This reflected light gives the coral color. In addition to color, algae also provide corals with a source of energy. They share the food they make during photosynthesis, and this helps the corals grow.

## Discover in Reading

What are corals?

Check  
Reading  
Fluency

As corals grow and **spread**, they form coral reefs. Though coral reefs cover less than 1% of the ocean floor, they are home to nearly 25% of all ocean species. Like the trees in a rainforest, the interconnected structures of the corals offer safe spaces to rest or hide. Various sea creatures come to reefs to lay eggs, raise their young, find food, and **socialize**. And the cleaner fish that make their homes in reefs keep the environment healthy and clean.

Corals are one of the most important animals that live in the ocean. They provide other **organisms** with shelter and an **abundant** source of food. Corals also help keep our oceans clean. Just like our rainforests, we must also make an effort to protect our ocean's coral reefs.



**algae**

**photosynthesis**

simple, plant-like organisms that grow in or near water

the process by which plants make their own food

## Reading Comprehension

### ● Choose the correct answers.

1 What is the passage mainly about?

- a different kinds of corals
- b the life cycles of corals
- c the importance of corals
- d animals that eat corals

2 What is NOT true about corals?

- a They are made up of polyps.
- b They are a kind of jellyfish.
- c They have stinging tentacles.
- d They grow on the ocean floor.

3 How do algae help corals?

- a by providing corals with food
- b by offering corals a safe place to hide
- c by keeping corals clean
- d by protecting corals from the sunlight

4 What is true about coral reefs?

- a Coral reefs make up 25% percent of the ocean floor.
- b Few sea creatures make their homes in coral reefs.
- c Coral reefs are filled with interconnected trees.
- d Many sea creatures go to corals to find food.

5 What can be inferred from the passage?

- a Corals are quickly disappearing from our oceans.
- b Corals float on the surface of the ocean.
- c Corals lose their color if the algae that grow on them die.
- d Corals lay eggs on the ocean floor.

### Think & Write

1 What do corals form as they grow and spread?

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2 Why must we make an effort to protect the corals in our oceans?

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## Graphic Organizer & Summary

### A Complete the chart.

#### What Are Corals?

##### Corals

- Corals are \_\_\_\_\_ called polyps. <sup>1</sup>
- Corals grow \_\_\_\_\_ that protect their bodies. <sup>2</sup>
- The layers keep corals attached to \_\_\_\_\_ and connected to one another. <sup>3</sup>

##### Coral Reefs

- Corals form coral reefs as they \_\_\_\_\_.
- Coral reefs are safe places for sea creatures to lay eggs, \_\_\_\_\_, and socialize. <sup>4</sup>  
<sup>5</sup>
- Coral reefs also play an important role in keeping the ocean \_\_\_\_\_.

raise their young  
the ocean floor

skeleton-like layers  
healthy and clean

grow and spread  
small animals

### B Complete the summary.

Corals are sea \_\_\_\_\_ that look like upside-down jellyfish. They have soft bodies, a mouth, and stinging \_\_\_\_\_. Corals grow skeleton-like layers that \_\_\_\_\_ them to other corals. As the corals spread, they form coral reefs attached to the ocean floor. These coral reefs provide various sea creatures with a safe place to rest and \_\_\_\_\_. The reefs also play a valuable role in keeping the water in the \_\_\_\_\_ clean. This makes corals one of the most \_\_\_\_\_ animals in the ocean.

tentacles

important

connect

ocean

creatures

hide