Reef Word Detectives

Use Greek and Latin word parts to unlock a coral-research report.

5.RV.1.F "Analyze the morphological relationships between words, including how Greek and Latin affixes and roots impact the meaning."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline eight words that contain Greek or Latin prefixes, roots, or suffixes. Circle one word part in each underlined word that gives a clue to its meaning.

A Reef Research Dive

1. At dawn, a marine research team loaded portable cameras onto a small submarine. The crew planned to transport the cameras below the waves, where sunlight becomes less visible. Their mission was to inspect a coral reef that had changed after a storm. Each scientist carried a notebook to record observations without disturbing the animals nearby.

2. Before the dive, the leader predicted cooler water near the reef. A thermometer showed the temperature at each depth, and a microscope helped the team view tiny algae later. The scientists compared their notes with images from the cameras. They wanted to notice patterns that could explain why some coral stayed healthy while other coral did not.

3. Afterward, the team wrote a report with photographs and measurements. They described broken coral and healthy areas, then sent the information to a conservation group. The group may use the report to protect the reef and to plan restoration work. By comparing future photographs, researchers can detect whether the coral is recovering after later storms.

2 ANSWER WITH EVIDENCE

Use the passage

1 Portable and transport both appear in paragraph 1. What Latin root do they share, and what idea does the root add to both words?

2 What does the Latin prefix sub- mean in submarine? Which detail in paragraph 1 supports your answer?

3 How does the Greek root scope help you understand microscope in paragraph 2? Use a detail from the paragraph.

4 What two Greek roots form photographs in paragraph 3, and what does the whole word mean?

3 YOUR TURN

Your own words

Write a sentence about exploring nature that uses a word built from one Greek or Latin root and one Greek or Latin prefix or suffix. In a second sentence, name the two parts and explain how they build the word's meaning.

ANSWER KEY

Reef Word Detectives

GRADE 5 · 5.RV.1.F

PART 1 · READ AND MARK

Underline eight words that contain Greek or Latin prefixes, roots, or suffixes. Circle one word part in each underlined word that gives a clue to its meaning. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Portable and transport both appear in paragraph 1. What Latin root do they share, and what idea does the root add to both words?	**They share port, meaning carry. Both words involve carrying or moving something.**
2	What does the Latin prefix sub- mean in submarine? Which detail in paragraph 1 supports your answer?	**Sub- means under or below. The crew planned to go below the waves.**
3	How does the Greek root scope help you understand microscope in paragraph 2? Use a detail from the paragraph.	**Scope means look or view. The microscope helped the team view tiny algae.**
4	What two Greek roots form photographs in paragraph 3, and what does the whole word mean?	**Photo means light, and graph means write or draw. Photographs are images made with light.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

The hikers used a telescope to view a distant eagle. In telescope, tele- means far and scope means look, so telescope is a tool for looking far away.

For the open task, accept a correctly used word and an accurate explanation of at least one root plus one prefix or suffix.