

Maps, Trails, and Light

Use word parts and context to unlock precise meanings.

5.3.C “identify the meaning of and use words with affixes such as trans-, super-, -ive, and -logy and roots such as geo and photo; and”

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline every word that uses trans-, super-, -ive, -logy, geo, or photo. Write the word part you spot in the margin beside each underlined word.

Maya's Museum Trip

- ① At the museum, Maya studied a map of an ancient supercontinent. Long ago, many of Earth's land areas were joined in one huge piece. Over millions of years, moving plates slowly carried the pieces apart. Nearby, a geology display showed layers of rock and fossils that helped scientists learn how the land changed through time.
- ② Later, Maya read about the Great Trail, a transcontinental network of trails in Canada. It links thousands of communities and stretches from coast to coast. Her guide explained that a traveler can cross long parts of the country by using connected paths. At a lookout, Maya took photographs of a river valley. Each photo captured light bouncing from water, cliffs, and clouds above.
- ③ Back at school, Maya made an informative poster about the trip. Instead of listing every detail, she chose facts that would help visitors understand the changing land. She added a reflective caption beside one photograph: “This quiet valley makes me wonder what this place looked like long ago.” Her poster invited classmates to ask questions and share ideas.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Look at the word geology. What do geo and -logy mean, and what is geology about in this passage?

2 How does super- change continent in supercontinent? How does trans- change continental in transcontinental? Use clues from the passage.

3 What does the root photo most likely mean? Which detail about Maya's pictures supports your answer?

4 The words informative and reflective both end in -ive. What does each word describe in the passage?

3 YOUR TURN _____ Your own words

Write three sentences about a museum, park, or trip. Use three different target word parts from this list: trans-, super-, -ive, -logy, geo, photo. After each target word, write its word part in parentheses, and make the sentence show the word's meaning.

PART 1 • READ AND MARK

Underline every word that uses trans-, super-, -ive, -logy, geo, or photo. Write the word part you spot in the margin beside each underlined word. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Look at the word geology. What do geo and -logy mean, and what is geology about in this passage?	Geo means Earth or land, and -logy means the study of something. In the passage, geology is the study of Earth, including rocks, fossils, and land changes.
2	How does super- change continent in supercontinent? How does trans- change continental in transcontinental? Use clues from the passage.	Super- shows that the continent was extremely large, with many land areas joined together. Trans- means across, shown by trails that stretch from coast to coast.
3	What does the root photo most likely mean? Which detail about Maya's pictures supports your answer?	Photo means light. The passage says each photo captured light bouncing from water, cliffs, and clouds.
4	The words informative and reflective both end in -ive. What does each word describe in the passage?	Informative describes a poster that gives facts to help visitors understand. Reflective describes a caption that shares Maya's thoughtful wondering.

PART 3 • YOUR TURN (SAMPLE ANSWER)

The transcontinental (trans-) train carried passengers across the country. Our photo (photo) showed the bright moon above the lake. The informative (-ive) sign explained why visitors should stay on the trail.

Accept equivalent meanings for the word parts when students support them with passage details. For Part 3, accept any three clear, grammatical sentences using three different listed word parts if context shows each word's meaning.