

Name \_\_\_\_\_ Date \_\_\_\_\_

**Directions:** Read each question and choose the best answer.

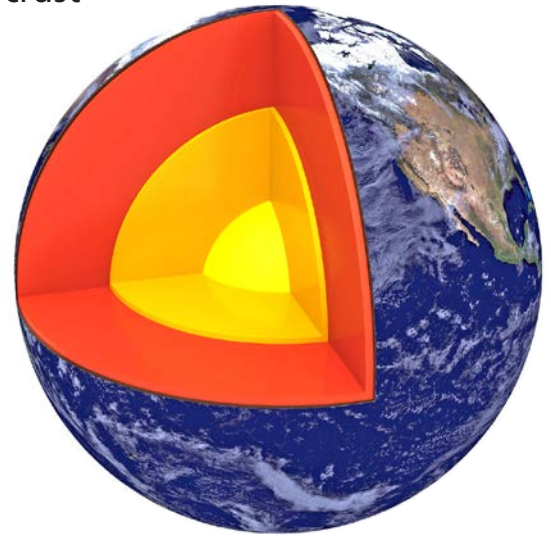
1. Which of the following are examples of landforms?

- (A) mountains and canyons
- (B) cliffs and sand dunes
- (C) volcanoes and deltas
- (D) all of the above



2. Which of these is *not* a layer of our planet?

- (A) mantle
- (B) magma
- (C) core
- (D) crust



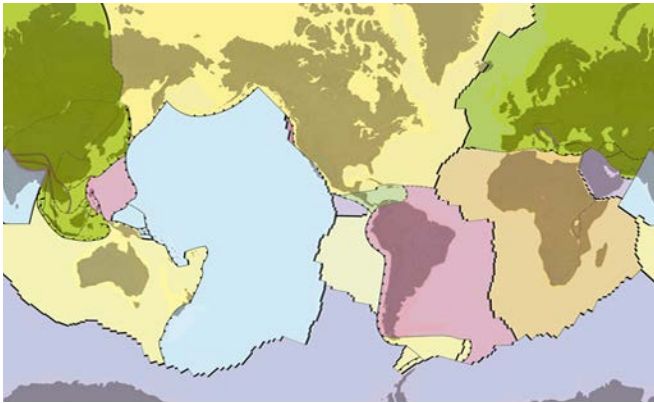
3. Read this sentence: *The core of our planet has been squeezed very tightly from all the weight above it.* Which sentence below uses the word **core** in the same way it is used in the sentence above?

- (A) The **core** members of our baseball team are the pitcher and catcher.
- (B) I ate the apple and then threw away the **core**.
- (C) Earth's **core** is about as hot as the surface of the Sun.
- (D) none of the above

Name \_\_\_\_\_ Date \_\_\_\_\_

4. Why do the plates on Earth's surface move?

- Ⓐ In the mantle, magma constantly rises and sinks, making the crust move.
- Ⓑ Meteors constantly hit the surface, making the mantle shake.
- Ⓒ The spin of the planet causes vibrations that set the plates in motion.
- Ⓓ Very hot metals inside Earth's core act like magnets and pull the plates in different directions.



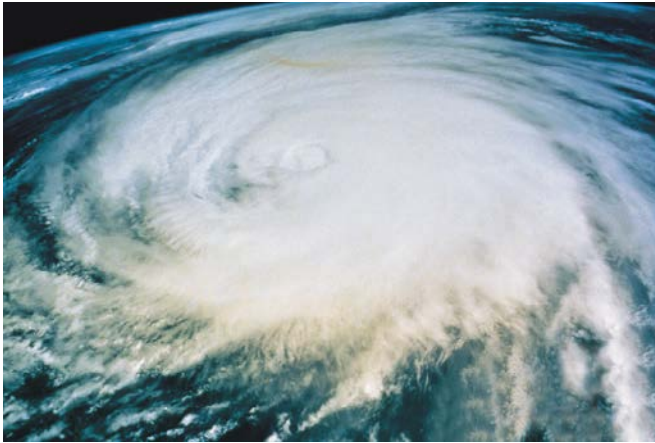
5. Which statement about Earth's plate movements is *true*?

- Ⓐ When two continental plates collide, a trench will always form.
- Ⓑ When two continental plates collide, mountains can form as a result of the land being pushed up.
- Ⓒ When an oceanic plate and a continental plate collide, the continental plate will probably go under the oceanic plate.
- Ⓓ Earthquakes happen when a continental or oceanic plate moves over a hot spot.

6. Which statement about landforms is *false*?

- Ⓐ Landforms can form when Earth's plates move toward or away from each other.
- Ⓑ Plants and people sometimes change landforms.
- Ⓒ Sand dunes, deltas, and peninsulas are all examples of landforms.
- Ⓓ Landforms always change very slowly, often over millions of years.

Name \_\_\_\_\_ Date \_\_\_\_\_



7. How would Earth be different if there were no weather?

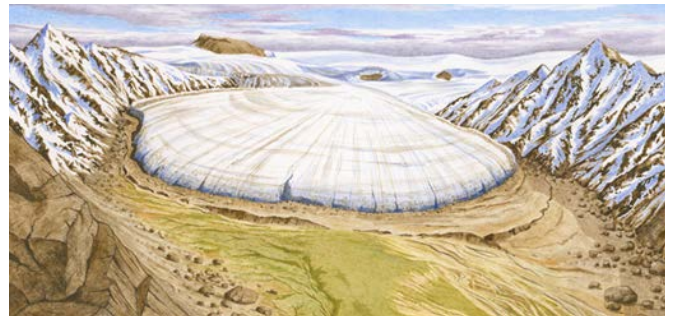
- Ⓐ There would be no landforms.
- Ⓑ There would be landforms, but they would never change.
- Ⓒ There would be landforms, and they would change due to other forces.
- Ⓓ There would be landforms, and they would change more quickly than they do now.

8. The melted rock beneath Earth's surface is called \_\_\_\_\_.

- Ⓐ lava
- Ⓑ magma
- Ⓒ volcanic rock
- Ⓓ metamorphic rock

9. What role does ice play in changing landforms?

- Ⓐ Water can get into cracks and freeze, making rocks split apart.
- Ⓑ Glaciers can carve out U-shaped valleys and transport rocks over long distances.
- Ⓒ Both A and B are true.
- Ⓓ Neither A nor B is true.



10. Which event would probably change landforms the most?

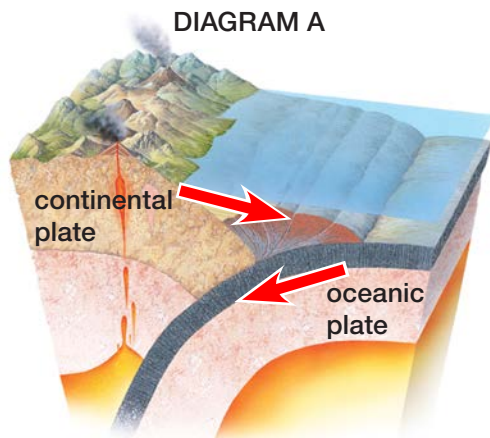
- Ⓐ a child digging in the dirt
- Ⓑ people in a neighborhood deciding to cut down all their trees
- Ⓒ a construction truck flattening some land to build a new store
- Ⓓ a dam breaking and sending a mudslide down a mountain

Name \_\_\_\_\_ Date \_\_\_\_\_

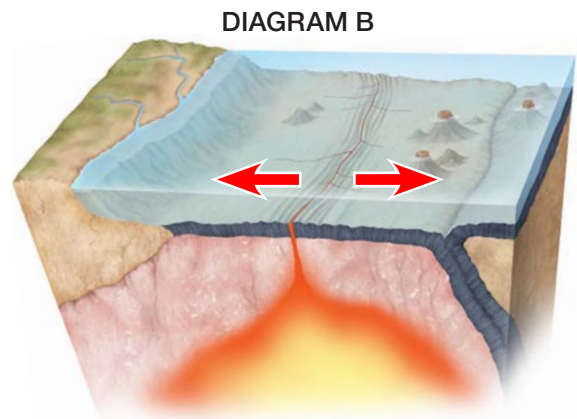
11. Which kind of rock forms when the heat and pressure in Earth's mantle make it change?
- Ⓐ metamorphic
  - Ⓑ sedimentary
  - Ⓒ igneous
  - Ⓓ none of the above

12. Which kind of rock would most likely be found in a place where there used to be a lake?
- Ⓐ metamorphic
  - Ⓑ sedimentary
  - Ⓒ igneous
  - Ⓓ none of the above

**Directions:** Use the diagrams below to answer questions 13 and 14.



The Andes Mountains in South America were “born” along converging plates.



The Mid-Atlantic Ridge is where two plates are pulling apart from each other.

13. What does Diagram A demonstrate?
- Ⓐ two continental plates colliding
  - Ⓑ two plates pulling away from each other
  - Ⓒ two of the same kind of plate colliding
  - Ⓓ two different kinds of plates colliding
14. What do the two diagrams have in common?
- Ⓐ They both show ways plates next to each other can move.
  - Ⓑ They both explain why oceanic plates collide with each other.
  - Ⓒ They both show all three of Earth's layers.
  - Ⓓ They both explain how earthquakes form.

Name \_\_\_\_\_ Date \_\_\_\_\_

**15. Extended Response:** Choose one of the landforms pictured and explain in your own words how this landform probably formed. Be sure to identify the kind of landform you selected.



# Book Quiz Answer Sheet

		Question Type	Nonfiction Book Page Reference	ELA Comprehension Skill
1.	Ⓓ	literal	p. 23	Classify Information
2.	Ⓑ	literal	p. 5	Main Idea & Details
3.	Ⓒ	vocabulary	p. 7	Vocabulary
4.	Ⓐ	literal	p. 9	Cause & Effect
5.	Ⓑ	literal	p. 10	Make Inferences & Draw Conclusions
6.	Ⓓ	inferential	p. 4	Make Inferences & Draw Conclusions
7.	Ⓒ	inferential	p. 13	Make Inferences & Draw Conclusions
8.	Ⓑ	vocabulary	pp. 8, 9	Vocabulary
9.	Ⓒ	literal	pp. 13, 16	Cause & Effect
10.	Ⓓ	inferential	p. 17	Cause & Effect
11.	Ⓐ	literal	pp. 19–21	Classify Information
12.	Ⓑ	inferential	pp. 19–21	Classify Information
13.	Ⓓ	data analysis	pp. 10, 11	Interpret Visual Devices
14.	Ⓐ	data analysis	pp. 10, 11	Interpret Visual Devices

15. **Extended Response:** Answers will vary. Students should identify the landform they selected and provide a reasonable explanation of how it probably formed. Sample responses are provided.

- A **mountain** can form when two plates collide, pushing the land up. Mountains can also form when volcanoes erupt and the lava piles up on Earth's surface.
- An **island** can form if a volcano erupts on the ocean floor and the lava piles up high enough to stick out of the water. Islands can also be parts of a continent that have broken away due to plate movements.
- A **glacial moraine** forms when a glacier melts and leaves behind the rocks that it once carried.
- An **arch** can form when wind and water carve a hole through sedimentary rock.
- A **canyon** forms when a river cuts through the land and sometimes when the land rises because of plates colliding.