

# OCEAN MOTION

For items 1-4, fill in the circle by the correct answer. Write your answer to item 5.

1. What is wavelength?

- ☐ (A) distance between trough and crest
- ☐ (B) distance between two crests
- ☐ (C) time it takes a wave to reach the shore
- ☐ (D) time it takes a wave to form

2. How do waves affect the coast?

- ☐ (A) They build beaches.
- ☐ (B) They erode cliffs.
- ☐ (C) They carve sea stacks.
- ☐ (D) all of the above

3. What factor causes the most dangerous waves?

- ☐ (A) the distance a strong wind blows
- ☐ (B) the shape of the seafloor
- ☐ (C) an underwater earthquake
- ☐ (D) the distance from the coast

4. Which sentence is not true?

- ☐ (A) Tsunamis are caused by a strong wind.
- ☐ (B) A tsunami's wavelength can be many miles long.
- ☐ (C) Tsunamis can move as fast as a jet.
- ☐ (D) Tsunamis can cause lots of damage.

5. Use what you learned in "Ocean Motion" to describe the power of waves.

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