

**Goal** • Test your understanding of Unit 1.

### What to Do

Circle the letter of the best answer.

1. Where is most of Earth's fresh water located?
  - A. evaporated in the atmosphere
  - B. frozen in ice
  - C. stored in oceans
  - D. underground in rocks
2. What happens when water found in Earth's atmosphere is slowly cooled down?
  - A. condensation
  - B. evaporation
  - C. freezing
  - D. melting
3. Which of the following does not affect surface currents on the ocean?
  - A. Earth's spin
  - B. melting glaciers
  - C. shape of continents
  - D. wind
4. The Rocky Mountains separate the Pacific drainage basin from the drainage basins to the east of the mountains. In doing so, the Rocky Mountains form which of the following?
  - A. Abyssal Plain
  - B. Continental Divide
  - C. Continental Shelf
  - D. Continental Slope
5. What is salinity?
  - A. the amount of mass of a substance in a certain unit of volume
  - B. the amount of salt dissolved in a specific amount of water
  - C. the force pulling run-off down to the lowest point
  - D. the temperature at which a liquid freezes
6. Where is almost two-thirds of the world's fresh water trapped?
  - A. crevasses
  - B. glaciers
  - C. ground water
  - D. oceans

7. Why does sea level drop during times when there are a lot of glaciers on Earth (ice ages)?
- Ice blocks river water from returning to the ocean.
  - It is too cold to rain.
  - The weight of glaciers pushes the ground down.
  - Water that is usually in the water cycle is frozen as ice.
8. Which of the following features is found only in oceans, and not on land?
- abyssal plains
  - deep canyons
  - mountains
  - volcanoes
9. Why does fresh water float on salt water?
- Fresh water has more dissolved solids.
  - Fresh water is usually cooler.
  - Salt water is denser than fresh water.
  - Salt water weighs less.
10. Why can acid precipitation damage a much larger area than an oil spill?
- Acid precipitation is blown by the wind.
  - Acid precipitation occurs in cities.
  - Oil can float on water.
  - Oil will evaporate quickly.

**Match the Term on the left with the best Descriptor on the right.**  
**Each Descriptor may be used only once.**

Term	Descriptor
_____ 11. abyssal plain	A. between continental slope and mid-ocean ridge
_____ 12. acid precipitation	B. drops off rapidly to the ocean basin
_____ 13. continental shelf	C. pollution that comes from more than one source
_____ 14. continental slope	D. pollution that comes from one source
_____ 15. non-point source	E. pollution that comes from the sky as rain
_____ 16. point source	F. shallowest part of ocean basin

**Short Answer Questions**

17. (a) What are the two most important influences on movement of deep ocean currents?

---

(b) What is the rising of nutrient-rich water from deep in the ocean called?

---

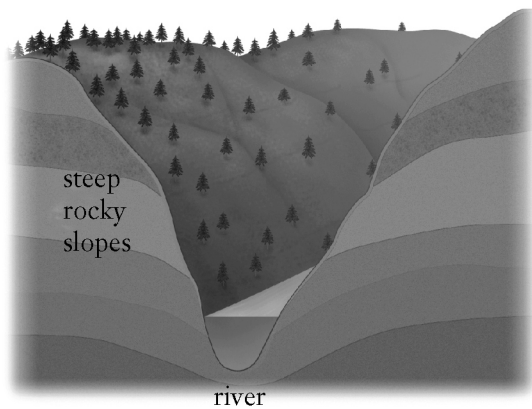
18. Describe the Coriolis effect.

---

---

---

Use the diagram below to answer question 19.



19. Describe three ways to decrease run-off in this area.

---

---

---

20. What role does the Sun play in Earth's tides?

---

---

---

DATE:

NAME:

CLASS:

**BLM 1-51  
continued**

21. Describe the difference between a spring tide and a neap tide.

---

---

---

22. (a) Describe how plates move at mid-ocean ridges.

---

(b) Explain why the plates move.

---

---

23. (a) Explain how acid precipitation forms.

---

---

(b) Explain how acid precipitation can affect large areas.

---

24. (a) What is seismic testing?

---

---

(b) Why is seismic testing off the coast of Newfoundland and Labrador a concern to scientists?

---

---

25. Explain how new technologies have lead to overfishing off the coast of Newfoundland and Labrador.

---

---

---