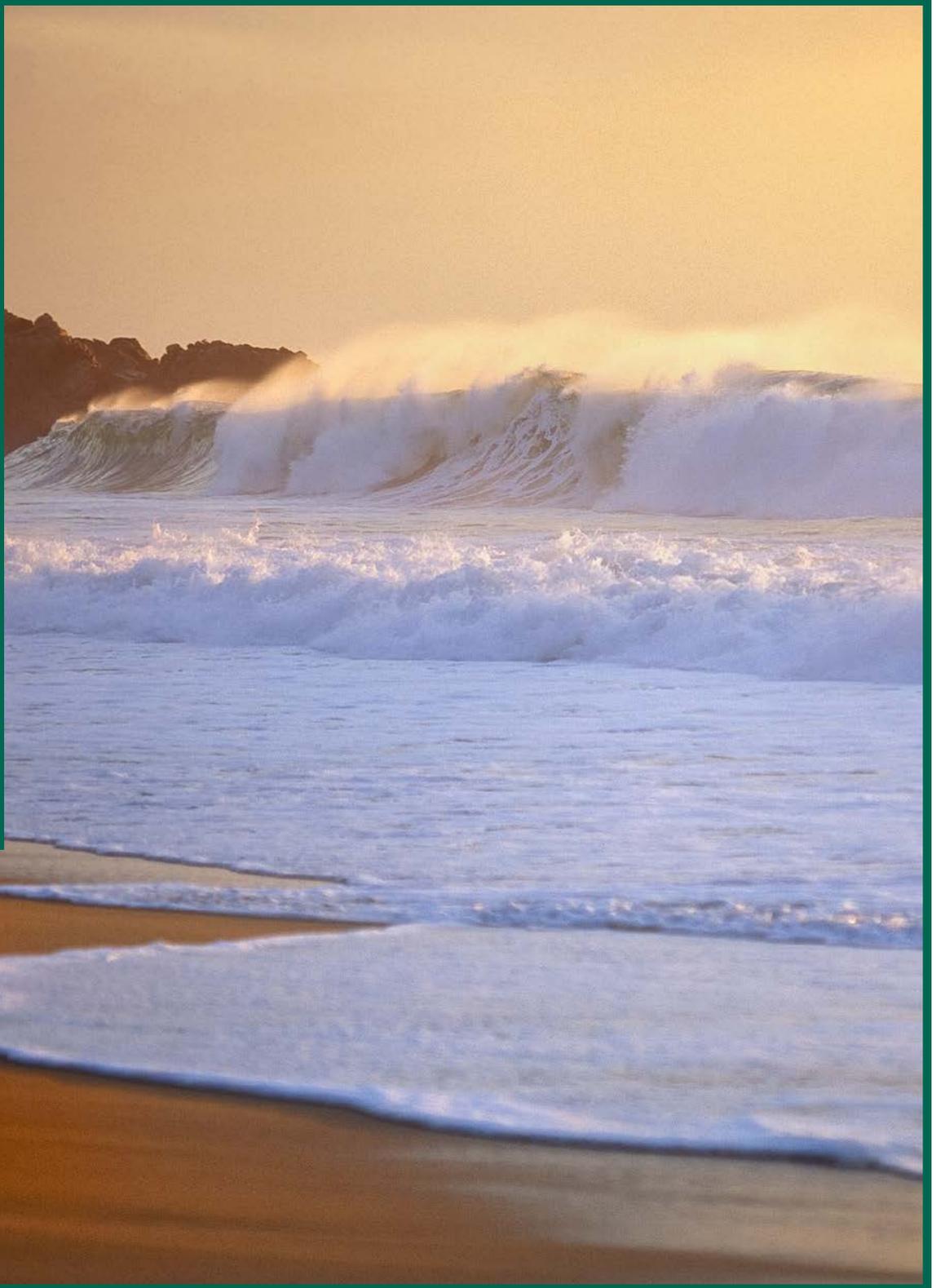


5

Science Standard
5.3.a.



Earth's Water

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

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California Environmental Protection Agency
California Natural Resources Agency
California State Board of Education
California Department of Education
Department of Resources Recycling and Recovery (CalRecycle)

Key Partners:

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Office of Education and the Environment

1001 I Street • Sacramento, California 95814 • (916) 341-6769

<http://www.CaliforniaEEI.org>

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Lesson 1 Water for Survival

None required for this lesson.

Lesson 2 Earth's Water Sources

None required for this lesson.

Lesson 3 From Fresh to Salt Water

None required for this lesson.

Lesson 4 Human Communities and Water Management Practices

None required for this lesson.

Assessments

Earth's Water—Traditional Unit Assessment Master	2
Considering Earth's Water—Alternative Unit Assessment Master	5

Name: _____

Part 1

Instructions: Select the best answer and circle the correct letter. (2 points each)

1. What fraction of Earth's water is salt water?
 - a. 25/100
 - b. 50/100
 - c. 70/100
 - d. 97/100

2. An underground lake of fresh water is called an _____.
 - a. aqueduct
 - b. aquifer
 - c. ocean
 - d. estuary

3. Glaciers are _____.
 - a. the largest source of fresh water on Earth
 - b. only found at the North and South Poles
 - c. made of frozen salt water from the ocean
 - d. places where fresh water meets the ocean

4. Salt water on Earth is mostly found in _____.
 - a. seas
 - b. rivers
 - c. oceans
 - d. underground

5. _____ water is a mixture of salt water and fresh water.
 - a. Waste
 - b. Brackish
 - c. Groundwater
 - d. Aquifer

6. Which of these makes water in the mountains move downhill?
 - a. gravity
 - b. ice
 - c. the Sun
 - d. groundwater

Name: _____

- 7. What do we call the ecosystem that forms where a river meets the ocean?
 - a. a bay
 - b. a freshwater lake
 - c. an estuary
 - d. an ocean

- 8. Which of the following is true about estuaries?
 - a. They turn fresh water into salt water.
 - b. They help bring water from other parts of California to the cities.
 - c. They are made by digging wells in a certain area.
 - d. They can clean the water that flows into them.

- 9. People build _____ to control flooding.
 - a. levees
 - b. wells
 - c. wastewater treatment plants
 - d. headwaters

- 10. In California, where does most of our wastewater and storm water go?
 - a. into the air
 - b. into the ocean
 - c. into the ground
 - d. into the watershed

Part 2

Instructions: Read each question and then write your answer in the spaces provided. (5 points each)

11. Complete the following sentence. People need water to survive because:

12. Complete the following sentence. People need potable water because:

Earth's Water

Name: _____

13. List five sources of fresh water on Earth. (1 point each)

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____

14. Describe two ways water from snowmelt in the mountains naturally reaches the ocean. (5 points each)

On the surface: _____

Under the ground: _____

15. Name one thing that could happen to an estuary if a dam is built on the river that flows into the estuary. (5 points)

Considering Earth's Water

Name: _____

Instructions: Look at the diagram of a watershed on the next page. Use the letters on the diagram to answer the questions below. Letters may be used more than once. (2 points each)

1. Identify three places where you would find a freshwater ecosystem.

_____, _____, _____

2. Identify one place where you would find a coastal ecosystem.

3. Identify one place where you would find a marine ecosystem.

4. Identify two places where you would find stored fresh water that communities can use.

_____, _____

5. Identify two places that provide protection from floods.

_____, _____

6. Identify two places that are sources of saline water.

_____, _____

7. Identify five places that are sources of fresh water.

_____, _____, _____, _____, _____

8. Identify two places that might add pollutants to a river or ocean.

_____, _____

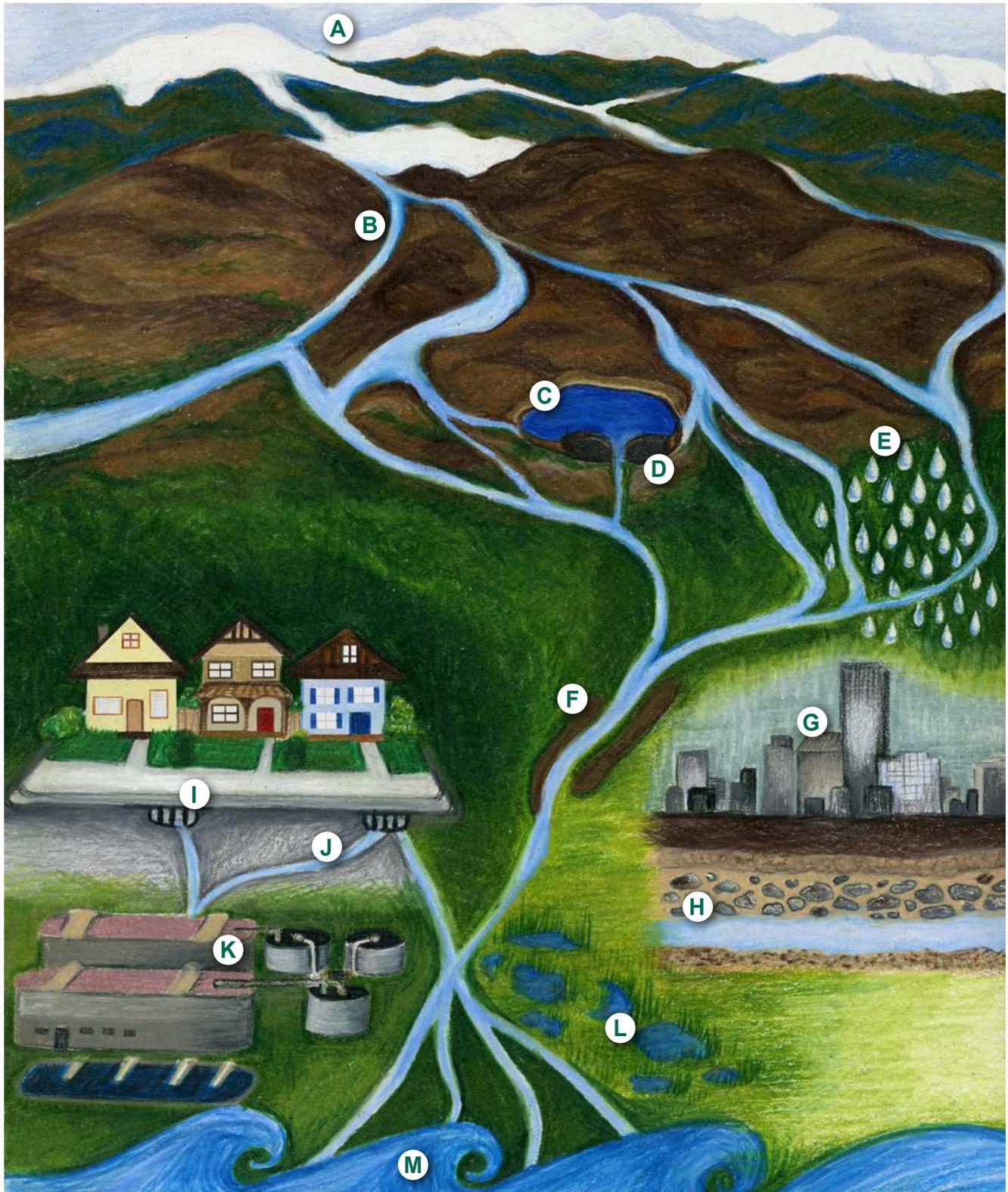
9. Identify one place where water is taken to a treatment plant.

10. Identify two places where water might be cleaned of pollutants.

_____, _____

Name: _____

Diagram of a Watershed





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