# 5

Science Standard
5.3.a.

CALIFORNIA EEI Education and the Environment Initiative

## Teacher's Masters

California Education and the Environment Initiative

# Earth's Water

**California Education and the Environment Initiative**

Approved by the California State Board of Education, 2010

**The Education and the Environment Curriculum is a cooperative endeavor of the following entities:**

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

**Key Leadership for the Education and Environment Initiative:**

**Linda Adams,** Secretary, California Environmental Protection Agency
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**Mark Leary,** Executive Director, California Integrated Waste Management Board
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**Key Partners:**

Special thanks to **Heal the Bay,** sponsor of the EEI law, for their partnership and participation in reviewing portions of the EEI curriculum.

Valuable assistance with maps, photos, videos and design was provided by the **National Geographic Society** under a contract with the State of California.

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# Contents

## 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:

_____

_____

_____

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)

    _____

    _____

    _____

    _____

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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