2

Science Standards
2.3.a. and 2.3.b.

Supports
ELA Standard:
Reading 2.2.7.

Teacher's Masters

California Education and the Environment Initiative

The Earth Rocks

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
Patty Zwarts, Deputy Secretary for Policy and Legislation, California Environmental Protection Agency
Andrea Lewis, Assistant Secretary for Education and Quality Programs, California Environmental Protection Agency
Mark Leary, Executive Director, California Integrated Waste Management Board
Mindy Fox, Director, Office of Education and the Environment, California Integrated Waste Management Board

Key Partners:

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Contents

Lesson 1 The Rocky Earth

None required for this lesson.

Lesson 2 The Earth Rocks

None required for this lesson.

Lesson 3 Change, Change, Change

None required for this lesson.

Lesson 4 Putting Rocks to Work

None required for this lesson.

Lesson 5 Minerals at Work

None required for this lesson.

Lesson 6 People Rock!

None required for this lesson.

Assessments

The Earth Rocks—Traditional Unit Assessment Master 2

My Earth Rocks and Minerals Booklet—Alternative Unit Assessment Master . . . 5

Name: _____

Instructions: Look at the photographs. Read the questions and circle the best answer. (1 point each)

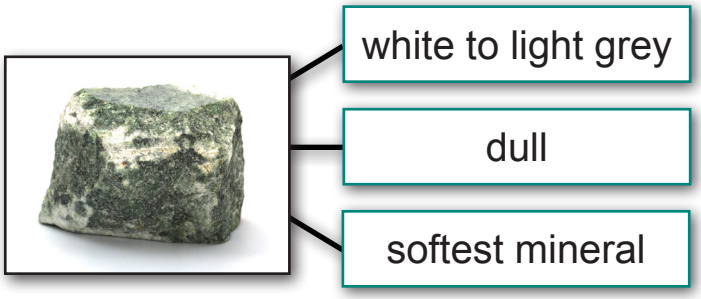
1. Why are the large rocks in this picture an important part of this ecosystem?
   a. They keep rocks away from the sand.
   b. They make the ocean waves stronger.
   c. They are a great place for people to swim.
   d. They give animals and birds a place to rest.

2. Why are the small rocks in this picture an important part of this ecosystem?
   a. They do not float.
   b. They are a living part of the system.
   c. They are a safe place for the fish to lay their eggs.
   d. They are too rough for most animals to swim near.

Name: _____

Instructions: Use the chart to answer question 3.

3. Which is the best use for talc?
   a. build roads
   b. build bridges
   c. make tools
   d. make powder



Instructions: Look at the **Minerals In Use** information cards posted in your classroom. Choose four minerals to write about. In the first blank of each sentence, name one of the minerals. Fill in the second blank of each sentence with one way people use that mineral. (2 points each)

4. _____ is used _____.

5. _____ is used _____.

6. _____ are used _____.

7. _____ are used _____.

Name: _____

Instructions: Think about the story we read in the last lesson. It was called **People Rock!** It told how people turn rocks into other products we use. Choose one material from the Word Bank below. Write its name on the first blank line. Then complete the two steps needed to manufacture a product from the rock. You can look at the **Word Wall Cards** to help you. (3 points)

Word Bank

crushed rock	sand	iron ore

8. _____ is turned into _____ →

which is made into _____.

_____ is turned into _____ →

which is made into _____.

_____ is turned into _____ →

which is made into _____.

Name: _____

Instructions: Draw and write to show what you know.

Rocks are found in nature.

1. Draw a picture of rocks that you would find in nature. (1 point)

2. Write a sentence about rocks you would find in nature. (1 point)

_____

_____

_____

_____

Name: _____

Minerals are found in nature.

3. Draw a picture of minerals that you would find in nature. (1 point)

4. Write a sentence about minerals you would find in nature. (1 point)

_____

_____

_____

_____

Name: _____

Small rocks are useful.

5. Draw a picture that shows one way small rocks are useful to living things in an ecosystem. (1 point)

6. Write a sentence about one way small rocks are useful in an ecosystem. (1 point)

_____

_____

_____

_____

Name: _____

Large rocks are useful.

7. Draw a picture that shows one way large rocks are useful to living things in an ecosystem. (1 point)

8. Write a sentence about one way large rocks are useful in an ecosystem. (1 point)

_____

_____

_____

_____

Name: _____

Rocks are used by people.

9. Draw a picture showing one way people use rocks. (1 point)

10. Write a sentence about one way people use rocks. (1 point)

_____

_____

_____

_____

Name: _____

Minerals are used by people.

11. Draw a picture showing one way people use minerals. (1 point)

12. Write a sentence about one way people use minerals. (1 point)

_____

_____

_____

_____

Name: _____

Rocks are used to make new products.

13. Draw a picture showing rocks being used to make a new product. (1 point)

14. Write a sentence about how rocks are used to make a new product. (1 point)

_____

_____

_____

_____

Name: _____

Minerals are used to make new products.

15. Draw a picture showing minerals being used to make a new product. (1 point)

16. Write a sentence about how minerals are used to make a new product. (1 point)

_____

_____

_____

_____

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