2

Science Standards 2.2.c. and 2.2.d.

Supports ELA Standard: Reading 2.2.4.

Teacher's Masters

California Education and the Environment Initiative

Alike and Different

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:

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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
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Key Partners:

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Contents

Lesson 1 Adapted to Woodlands

None required for this lesson.

Lesson 2 Traits for Survival

None required for this lesson.

Lesson 3 Animals That Blend with Their Background

None required for this lesson.

Lesson 4 Alike but Different

None required for this lesson.

Lesson 5 Habitat Change and Variations Within Populations

None required for this lesson.

Assessments

Alike and Different—Traditional Unit Assessment Master 2

Elephant Seals and Pipefish—Alternative Unit Assessment Master 4

Name: _____

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

1. Ermine inherit traits, such as _____ from their parents.
   a. small feet
   b. sharp teeth
   c. white spots

2. _____ is a trait that helps a cowbird hatchling survive.
   a. Being "fuzzy"
   b. Begging loudly
   c. Singing

3. Mule deer fawns have _____ to help them hide.
   a. antlers
   b. long ears
   c. white spots

4. English cocker spaniels _____ in color.
   a. vary
   b. adapt
   c. change

5. A white ermine would be easy to _____ in summer.
   a. smell
   b. hear
   c. see

Name: _____

6. Some red-winged blackbirds _____ cowbird eggs.
   a. reject
   b. eat
   c. carry

7. If snow melts earlier in winter, an ermine may turn _____.
   a. white earlier
   b. brown earlier
   c. white later

8. When humans cut down trees, fawns with white spots may be _____.
   a. harder to see
   b. easier to see
   c. easier to smell

Name: _____

Instructions: Look at the elephant seals below. There is an adult seal. There is a seal pup. Answer the questions below the pictures. (5 points each)

Adult elephant seal

Elephant seal pup

1. Circle four things on the seal pup it inherited from its parents.

2. Look at the color of the elephant seal pup. The little pups live on the beach. How does their color help them? Underline the answer.

   Easy to swim Blend with sand color

Name: _____

Instructions: Look at the pipefish below. They live in Monterey Bay. They look alike in most ways. Answer the questions below the pictures. (5 points each)

Pipefish in eelgrass

Pipefish in green seagrass

3. In what ways do the pipefish look different?

_____

_____

_____

4. What color for pipefish is best in the eelgrass?

_____

_____

5. What color for pipefish is best in the seagrass?

_____

_____

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