

2

Science Standards
2.2.a. and 2.2.b.

Supports
ELA Standard:
Reading 2.2.4.



Cycle of Life

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

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

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:

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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LESSON 1 **Reproduction: An Essential Part of the Life Cycle**

Pine Trees and Bald Eagles 2

LESSON 2 **Eggs and Seeds**

Eggs and Seeds 4

LESSON 3 **Growth and Metamorphosis**

How Animals Grow and Change 6

LESSON 4 **Reproduction Needs: A Monarch's Story**

Milkweed and Monarchs 8

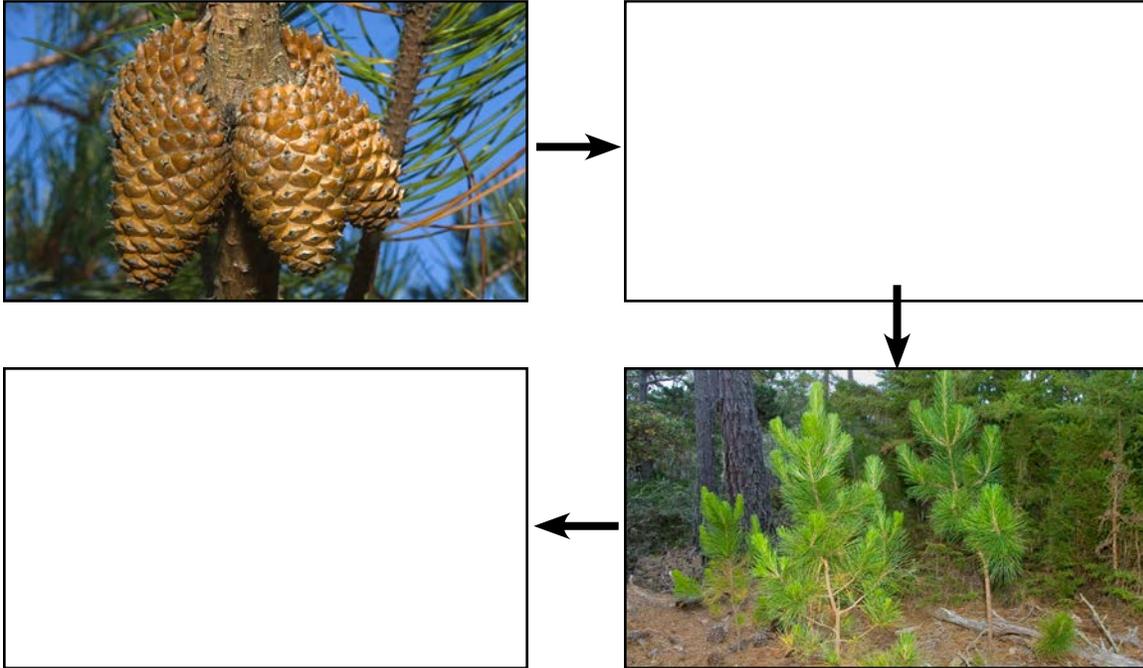
LESSON 5 **Human Uses of Plant and Animal Reproduction**

Farms and Ranches 10

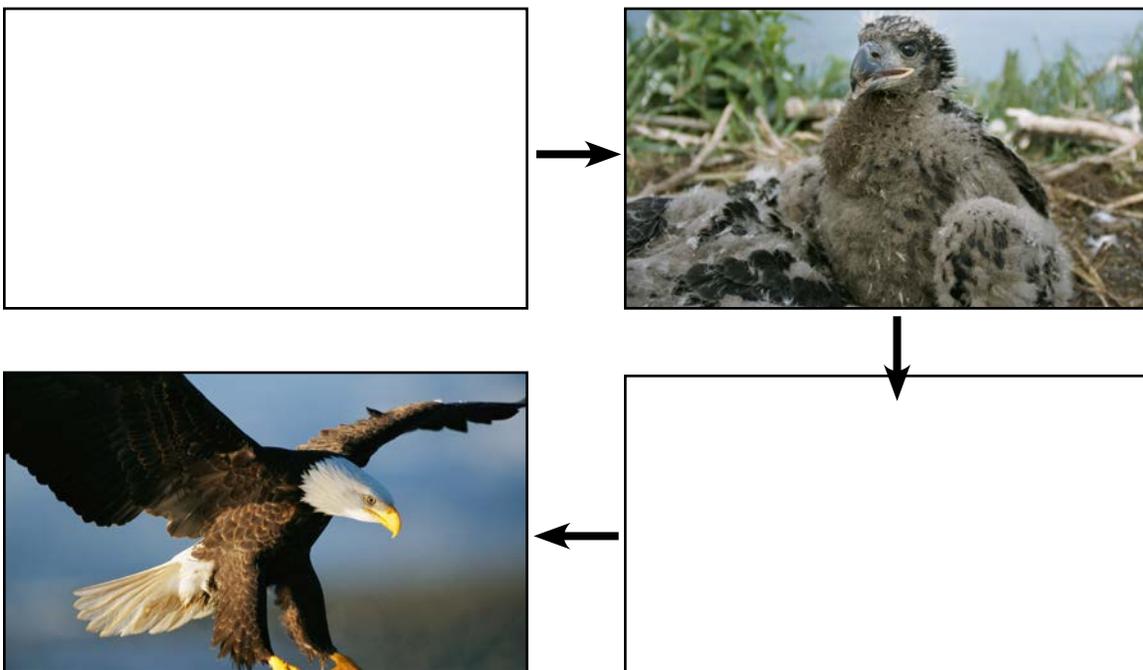
Name: _____

Instructions: Complete the following tasks in the boxes below.

1. Draw in the missing parts of the pine tree life cycle:



2. Draw in the missing parts of the bald eagle life cycle:



Name: _____

Instructions: Use words from the Word Bank to complete the sentences below.

Word Bank

less	offspring	adult	more	grow
------	-----------	-------	------	------

3. Reproduction makes _____ animals and plants.
4. All animals and plants _____ over time.
5. When a living thing is an _____, it can reproduce.
6. Animals and plants have _____ when they reproduce.

Name: _____

Draw the Parts of a Seed	Draw the Parts of an Egg

Instructions: Answer the following questions in the space provided.

1. What is the same about eggs and seeds?

2. What is different about eggs and seeds?

Eggs and Seeds

Lesson 2 | page 2 of 2

Name: _____

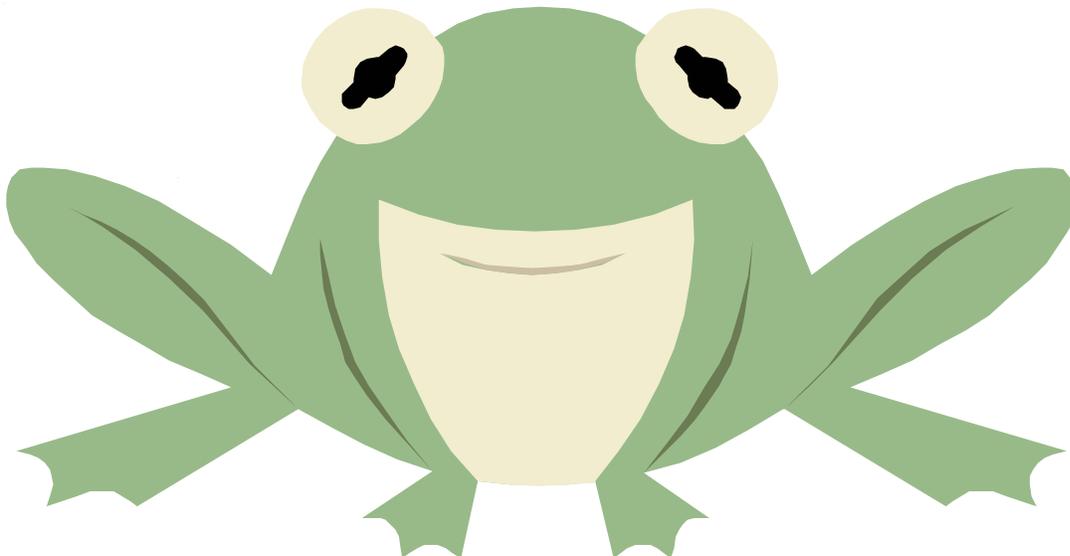
Instructions: Complete the task in the box below.

3. Name (or draw) two living things that lay eggs to reproduce.

Name: _____

Instructions: Circle the word or phrase that completes each sentence.

1. When an insect egg hatches a _____ comes out.
butterfly larva pupa
2. Squirrels and other mammals do not _____.
reproduce metamorphosize lay eggs
3. Over time, a tadpole grows into a _____.
froglet reptile pond
4. Birds, fish, insects, amphibians, and reptiles all _____.
metamorphosize lay eggs make cocoons



Name: _____

Instructions: Circle the word that best completes each sentence.

1. The monarch butterfly lays its eggs on the _____ of the milkweed.
 - a. sap
 - b. flower
 - c. leaves
 - d. stem

2. Milkweed sap makes monarch caterpillars _____ bad.
 - a. smell
 - b. taste
 - c. look
 - d. feel

3. Monarch butterflies help milkweed plants _____.
 - a. reproduce
 - b. migrate
 - c. grow
 - d. eat

4. Migrating monarchs eat the _____ of milkweed flowers.
 - a. sap
 - b. leaves
 - c. nectar
 - d. flower

Name: _____

5. The number of milkweed plants in California is _____.

- a. going up
- b. going down
- c. staying the same
- d. high

6. The number of monarch butterflies in California is

_____.

- a. going down
- b. going up
- c. staying the same



Name: _____

Instructions: Draw at least six resources that we get from farming and ranching, three from plants and three from animals.



Instructions: Circle the resources that you drew that come from animal reproduction and put stars by the one that come from plant reproduction.

Name: _____

Instructions: Complete the sentences below with words from the Word Bank.

Word Bank

farm	reproduction	resource	grow	ranch
------	--------------	----------	------	-------

1. Food is a _____ that we get from plants and animals.
2. Vegetables are grown on a _____ and chickens are raised on a _____.
3. People _____ plants and raise animals so that they have enough to use.
4. _____ is important because it makes more living things.





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