

ENVIRONMENTSupplemental Workbook



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Table of Contents

ENVIRONMENT

Soil Property Pudding Cups	2
Soil Activity Sheet	3
Water Cycle Activity	4
Animal Habitat Activity	6
Answer Keys	7
Additional Resources	10

Please give us feedback on this workbook. Thank you!

https://ume.qualtrics.com/jfe/form/SV_5nF0LudNSCvOG58





INGREDIENTS

- 1 (3.9 oz package instant chocolate pudding mix
- 2 cups milk
- About ½ cup graham cracker crumbs
- About 1 cup crushed Oreo cookies
- Twizzler (green Apple Pull-n-Peel licorice)
- Gummy works

INSTRUCTIONS

- With the 2 cups of milk, prepare the pudding per package directions. Refrigerate until set.
- In a clear drinking glass or clear plastic cup, layer about ½ cup of pudding, one or two tablespoons of graham cracker crumbs, and about ¼ cup of crushed Oreos.
- 3 Cut licorice into pieces about 1 inch long; peel off a few strands and "plant" them in the pudding mixture as grass. Add a gummy worm or two.

ALLERGY ALERT: Dairy

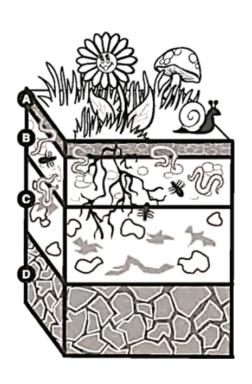
Go to this link to view pictures of soil property pudding cups: https://www.thekitchenismyplayground.com/2013/05/soil-property-pudding-cups-aka-dirt.html



Soil Activity Sheet

Soil Layer Matching

\bigcirc	BEDROCK A layer of dense rocks that no plants or animals penetrate.
\bigcirc	SUBSOIL Less humus but rich in minerals.
\bigcirc	TOPSOIL Rich in humus and ideal for growing plants.
\bigcirc	PARENT MATERIAL Composed of weathered rocks with little plants or animals on this level.



Soil Fact or Fiction

Read each statement and determine if it is Soil Fact or Fiction.

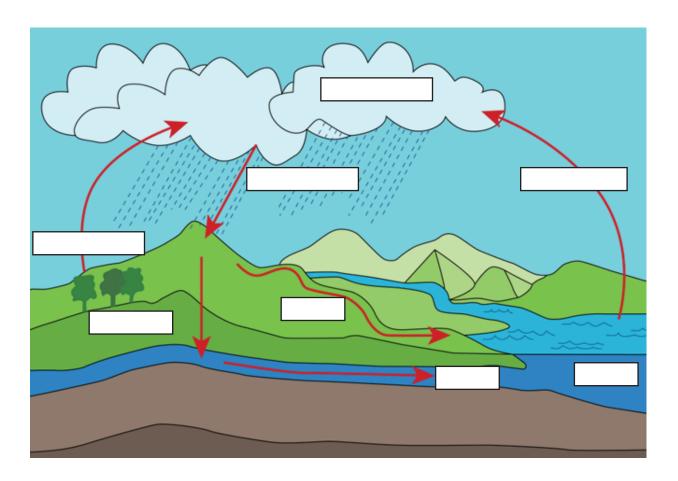
Circle	e the
correct	answer

Five to ten tons of animal life can be found in an acre of soil.	FACT	FICTION
Clay, silt and sand are three types of minerals. Most soils have a blend of all three of these.	FACT	FICTION
It is impossible to stop soil erosion.	FACT	FICTION
One shovel full of soil has more living organisims in it than there are people on the Earth.	FACT	FICTION

Source: USDA Natural Resources Conservation Service and artwork adapted from the Eri Basin Resource Conservation and Development



Fill in the blanks to label the water cycle.



Transpiration Evaporation

Evaporation Infiltration
Runoff Condensation

Ocean

Precipitation

Aquifer

Source: National Agriculture in the Classroom

TRANSPIRATION

The release of gaseous water (water vapor) from plant leaves.

EVAPORATION

The changing of a liquid into a gas.

RUNOFF

Precipitation that does not soak into the soil but instead moves on the Earth's surface toward streams/ocean.

OCEAN

A continuous body of salt water that is contained in enormous basis on the Earth's surface.

INFILTRATION

To pass through a substance by filtering or permeating.

CONDENSATION

Water that collects as droplets on a cold surface when humid air is in contact with it.

PRECIPITATION

Moisture in the form of rain, snow, sleet, or hail that falls to the ground.

AQUIFER

Water-bearing rock that readily transmits water to wells and springs.

Sources: National Agriculture in the Classroom, U.S. Geological Survey, National Weather Service, Britannica



Match the animal to its habitat.

(More than one animal may belong to a habitat.)

Cow	Pond
Deer	
Beaver	Rainforest
Duck	Pasture/Barn
Coyote	Forest
Monkey	1 01031



Soil Layer Matching



BEDROCK

A layer of dense rocks that no plants or animals penetrate.



SUBSOIL

Less humus but rich in minerals.



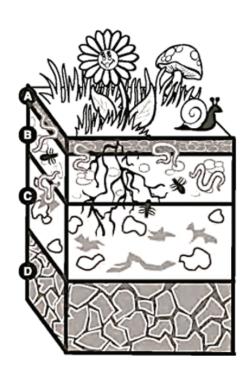
TOPSOIL

Rich in humus and ideal for growing plants.



PARENT MATERIAL

Composed of weathered rocks with little plants or animals on this level.



Soil Fact or Fiction

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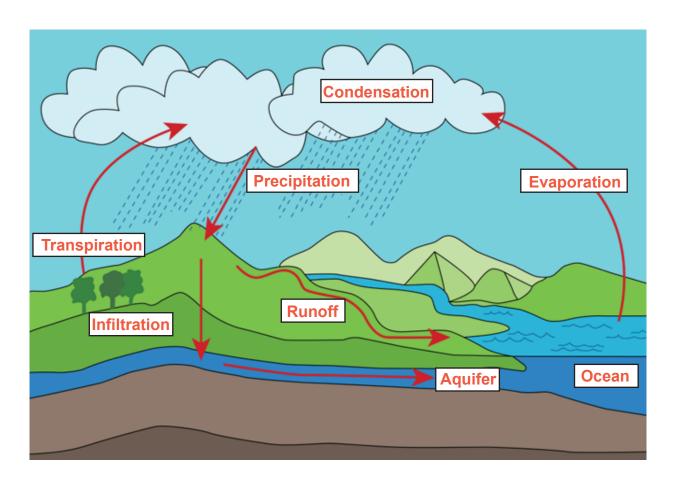
Circle the correct answer

Five to ten tons of animal life can be found in an acre of soil.	FACT	FICTION
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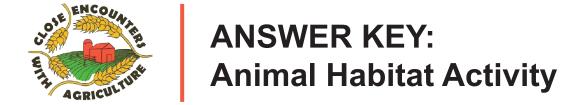


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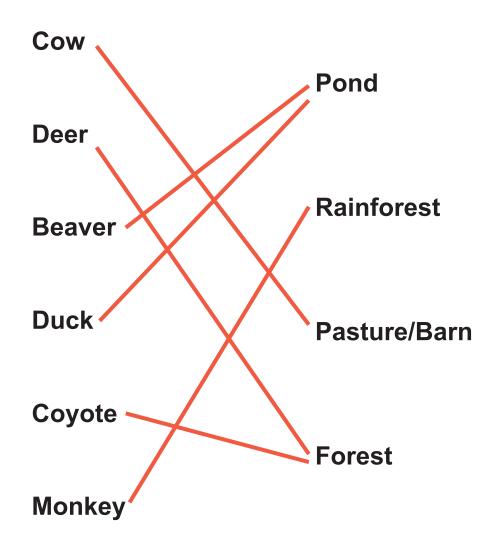
Transpiration Ocean Precipitation
Evaporation Infiltration Aquifer
Runoff Condensation

Source: National Agriculture in the Classroom



Match the animal to its habitat.

(More than one animal may belong to a habitat.)



Environmental Protection Agency: Water Resources for Educators

National Air and Space Administration (NASA) Precipitation Education

Water cycle, weather and climate, technology, and societal applications

Soils 4 Kids

Activities, experiments, games, and related careers

Soils 4 Teachers

Information on soil and its formation, composition, human interaction, and lessons and activities

Soil Life

Information on soil and how it supports life