

# 8th Grade Distance: Distance Learning Activities

April 27 - May 1 Lesson Plan for Grade 8 Science

Prepared by Mr. Mapes - Office number (480)744-4974 Office hrs 8am - 4pm M-F

## MONDAY - Vocabulary Ecology

**1. Identify the following terms related to ecology and provide examples for each.**

- a. homeostasis
- b. symbiosis
- c. Parasitism
- d. Commensalism
- e. Mutualism
- f. Hibernation
- g. Dormancy
- h. Migration

## TUESDAY - Question Analysis

**Answer the following questions and JUSTIFY each answer. Either post to GC or save in your science binder.**

1a. In a desert environment, the Cactus Wren builds its nest in the Cholla Cacti to avoid predators. This behavior does not hurt the cacti. Which type of symbiotic relationship does this demonstrate?

- a. Parasitism
- b. Commensalism
- c. Mutualism

1b. Justify your answer:

2a. Many scientists think that burning fossil fuels has increased that amount of carbon dioxide in the atmosphere. What effect would the increase of carbon dioxide most likely have on the planet?

- a. A cooler climate
- b. A warmer climate
- c. Lower relative humidity
- d. More ozone in the atmosphere

2b. Justify your answer:

## WEDNESDAY - Question analysis

1. Bears are usually found in cooler regions of the world and lizards are found in warmer regions. In a short paragraph explain why this occurs. (*think about what traits or characteristics allow for this to happen.*)

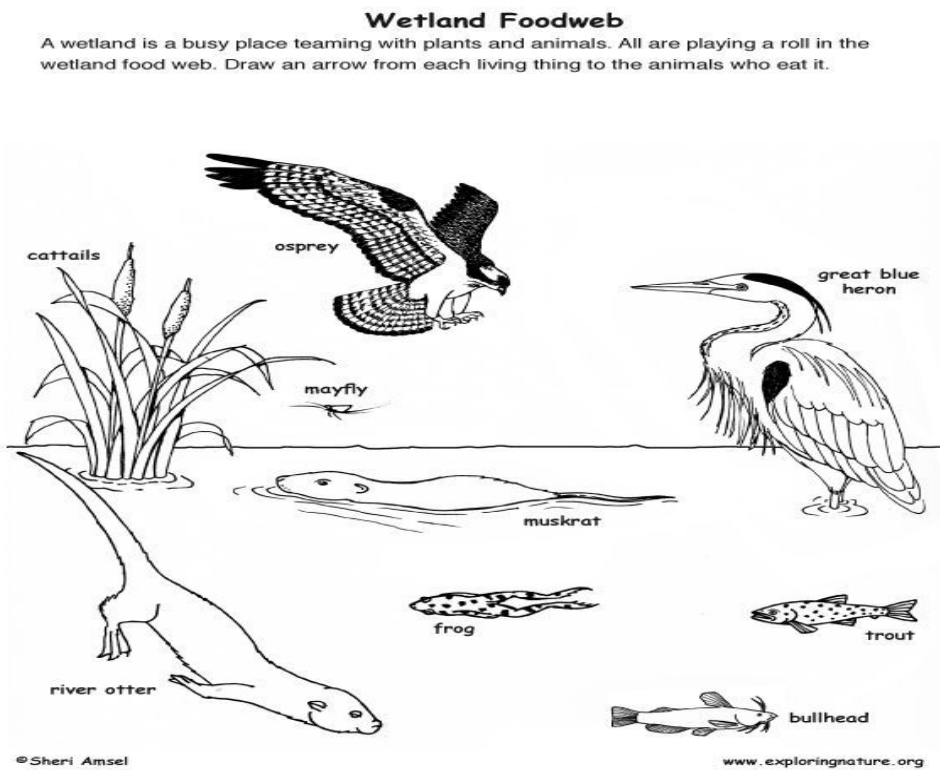
2a. Jennifer wrote down four ideas about earthworm behavior that she wanted to test. Which of the following can be tested experimentally?

- Earthworms taste like dirt better than sand.
- Earthworms are happier in black dirt than red dirt
- Earthworms exist to decompose decaying materials.
- Earthworms will move away from direct light sources.

2b. Justify your answer

## THURSDAY -

Describe three types of pollution that could disrupt the fragile ecosystem shown in the picture below.



## FRIDAY - Game Day!!

*The day you all have been waiting for... Live Kahoot! At 10:00 AM.*

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May 4 - May 8 Lesson Plan for Grade 8 Science

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## Monday - Instructions for Experiments

Write a set of step by step instructions that you could give to someone ***that had NEVER before*** made a peanut butter and jelly sandwich. Be specific in your steps and make your instructions as clear as possible. Make sure to think about all of the materials you may need to be successful and include them in your instructions. I will provide feedback based on your instructions. Good Luck!

## Tuesday - Question analysis

1. Timothy wanted to measure the amount of time it took for a ball to roll down a ramp. He had never used a stopwatch before. Sabrina gave him the following instructions, but they were in the wrong order.

Step 1: Hold the stopwatch in one hand

Step 2: Press the button once to start the clock.

Step 3: Press the button twice to clear any old times

Step 4: Press the button to stop the clock

Step 5: Let the watch run until it is time to stop it.

Step 6: Record the amount of time.

In the spaces below, arrange the steps in the correct number order.

\_\_\_\_\_

2. Justify why you chose that order.

## Wednesday and Thursday

This activity is getting you to think and to write about the process of doing experiments. *You DO NOT have to complete the actual experiment, however, you may if you like.* Write up the experiment as if you were giving it to a 6th grader to complete. Be clear, and specific in your steps.

Your Task: Hypothetically design an experiment that would test the survivability of plants in a certain type of environment. Think about the things that might help or harm a plant's growth. Decide on a variable you want to test with the plants.

1. Identify your variables (what are you going to test / how will the outcome change)
2. Create a hypothesis. (use an If..... then..... Because.... statement)
3. Write out step by step how you would conduct your experiment.
4. Decide how you would record your data.
5. Communicate what outcome you *think* might occur based on your knowledge of plants.

## FRIDAY - Game Day!!

*The day you all have been waiting for...*

1. Live Kahoot! At 10:00 AM.
2. I will post the game code in the google classroom and send it out through Remind.
3. **You** must include your name somewhere in your game name.