

Welcome to 7th grade science with Mr. Murray!



In 7th grade we study a range of topics from both Physical and Life Sciences. It is extremely important to understand how the world around us works, and how different objects interact. For your summer assignment, you will be exploring the world around you and becoming more familiar with organisms that live within your ecosystem. You can walk around your house, go for a hike, or find a park to make your observations. You will be responsible for filling out the four graphic organizers provided to record your findings. Listed below are some vocabulary words that will help you on your adventure. You will turn in all four observations during the first week of school. If you have any questions please let me know at:

Lmurray@bfccps.org

Organism- an individual animal, plant, or single-celled life form.

Biotic Factor- Any living thing found in an ecosystem (tree, flower, ladybug, fox, etc.)

Abiotic Factor - Any non living thing found in an ecosystem (rocks, soil, road, house, etc.)

OBSERVATION #1

Name:

Date of Observation:

Location of Observation:

Time of Day: _____

Weather information: Temperature _____ Explain what the weather was like on this day.

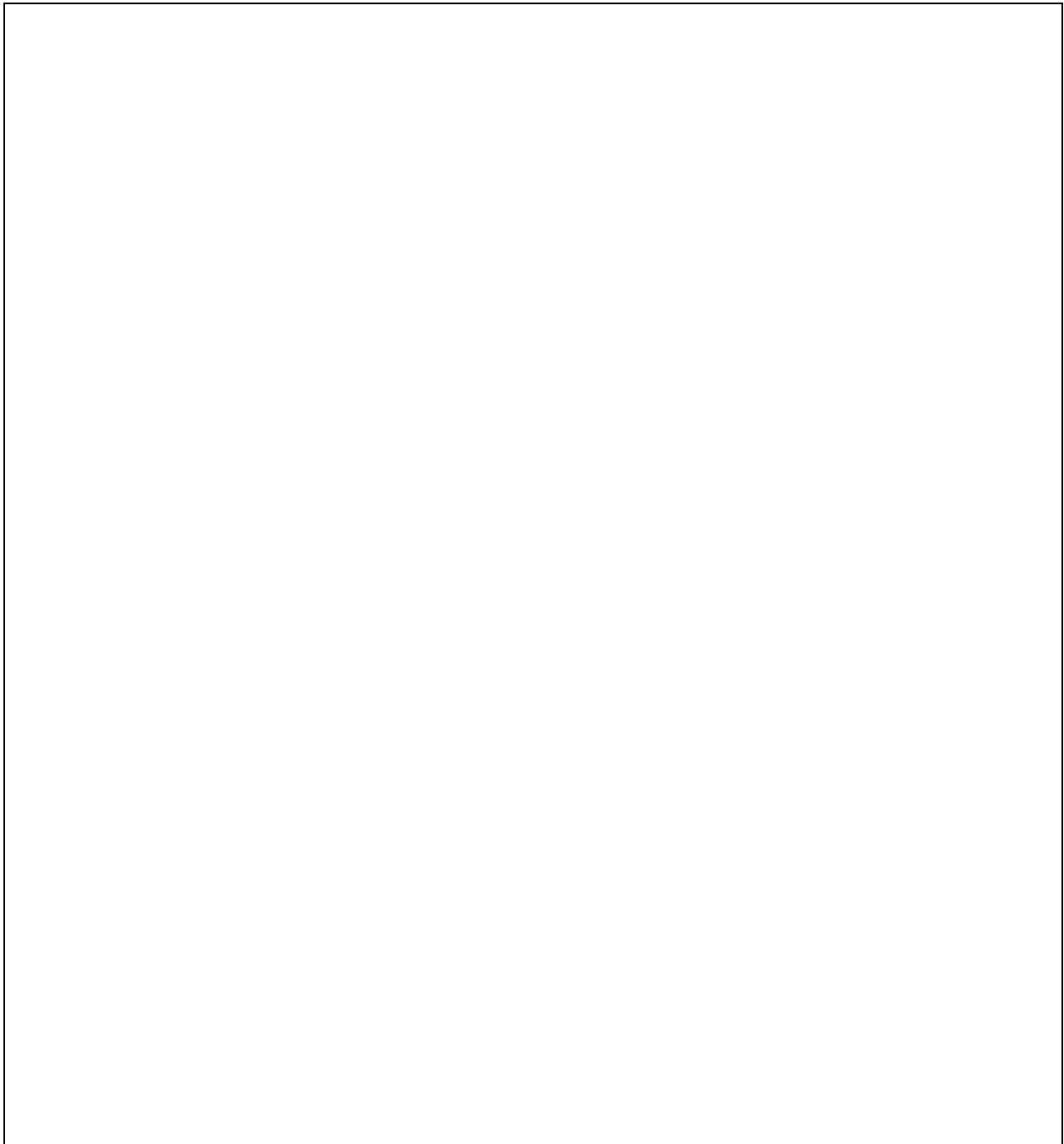
What organism did you focus your observation on? (If you are unsure and cannot find the name of the organism, describe it in as much detail as possible)

What was this organism doing when you spotted it? What made you choose to focus on this organism?

What biotic factors in the ecosystem did you see this organism interacting with? Even if you did not see it specifically, what other biotic factors do you think it would interact with and why?

What abiotic factors in the ecosystem did you see this organism interact with? Even if you did not see it specifically, what other abiotic factors do you think it would interact with and why?

Draw a sketch of your observation. You can choose to make this a closeup of the organism you chose, make this a sketch of the ecosystem as a whole, or anywhere in between. Add as much detail as possible to your sketch.



OBSERVATION #2

Name:

Date of Observation:

Location of Observation:

Time of Day: _____

Weather information: Temperature _____ Explain what the weather was like on this day.

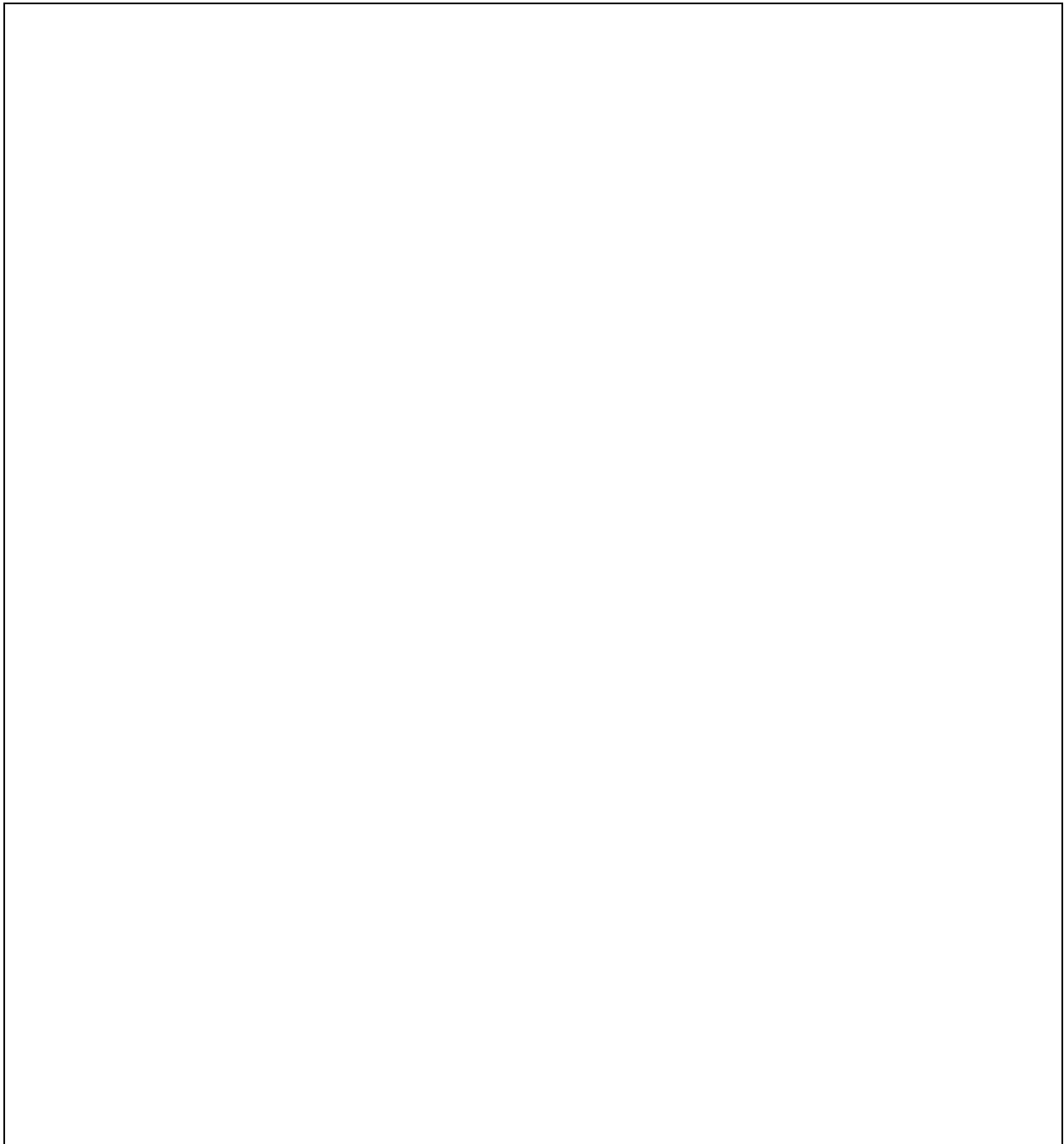
What organism did you focus your observation on? (If you are unsure and cannot find the name of the organism, describe it in as much detail as possible)

What was this organism doing when you spotted it? What made you choose to focus on this organism?

What biotic factors in the ecosystem did you see this organism interacting with? Even if you did not see it specifically, what other biotic factors do you think it would interact with and why?

What abiotic factors in the ecosystem did you see this organism interact with? Even if you did not see it specifically, what other abiotic factors do you think it would interact with and why?

Draw a sketch of your observation. You can choose to make this a closeup of the organism you chose, make this a sketch of the ecosystem as a whole, or anywhere in between. Add as much detail as possible to your sketch.



OBSERVATION #3

Name:

Date of Observation:

Location of Observation:

Time of Day: _____

Weather information: Temperature _____ Explain what the weather was like on this day.

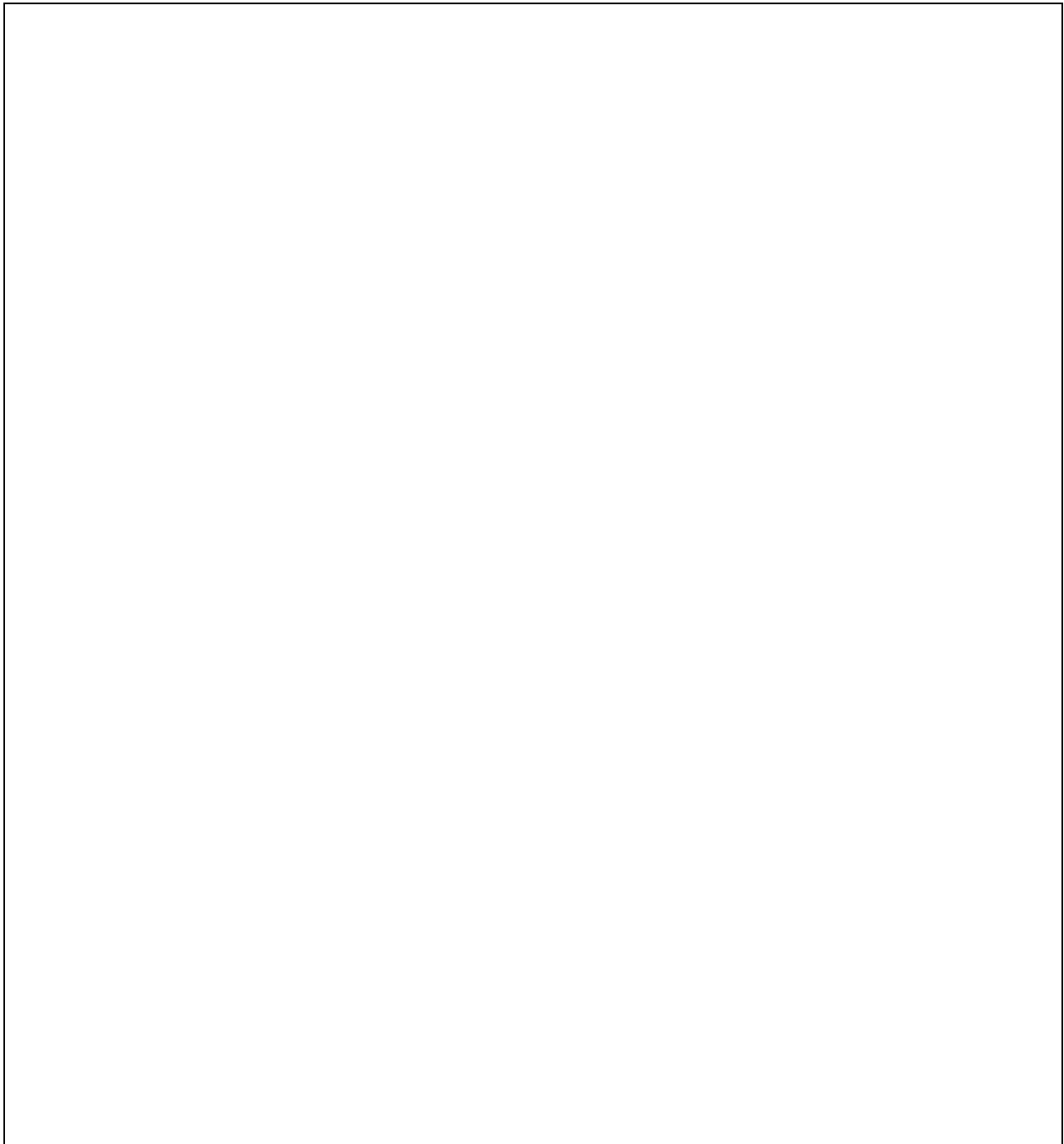
What organism did you focus your observation on? (If you are unsure and cannot find the name of the organism, describe it in as much detail as possible)

What was this organism doing when you spotted it? What made you choose to focus on this organism?

What biotic factors in the ecosystem did you see this organism interacting with? Even if you did not see it specifically, what other biotic factors do you think it would interact with and why?

What abiotic factors in the ecosystem did you see this organism interact with? Even if you did not see it specifically, what other abiotic factors do you think it would interact with and why?

Draw a sketch of your observation. You can choose to make this a closeup of the organism you chose, make this a sketch of the ecosystem as a whole, or anywhere in between. Add as much detail as possible to your sketch.



OBSERVATION #4

Name:

Date of Observation:

Location of Observation:

Time of Day: _____

Weather information: Temperature _____ Explain what the weather was like on this day.

What organism did you focus your observation on? (If you are unsure and cannot find the name of the organism, describe it in as much detail as possible)

What was this organism doing when you spotted it? What made you choose to focus on this organism?

What biotic factors in the ecosystem did you see this organism interacting with? Even if you did not see it specifically, what other biotic factors do you think it would interact with and why?

What abiotic factors in the ecosystem did you see this organism interact with? Even if you did not see it specifically, what other abiotic factors do you think it would interact with and why?

Draw a sketch of your observation. You can choose to make this a closeup of the organism you chose, make this a sketch of the ecosystem as a whole, or anywhere in between. Add as much detail as possible to your sketch.

