Name_____ Date_____ Per.____

A 10

Review Stations!

Station 1: <u>LOOK BACK AT A-2 FOR HELP!</u>

Essential Question: What does it mean to be alive?

Objective: Determine if something is alive based on the six characteristics of all organisms.

<u>You do NOT need a station bin to do this part!!!</u>

What are the six characteristics of living things? And what can you do to test to see if something has that characteristic? Where did you find the answer to this? _____

	Characteristic	Way to test for characteristic
1		
2	Similar chemicals in cells: DNA and Water	I could break down the cell walls to pull out the DNA and view it under an electron microscope.
3		
4		
5		
6		

Station 2:

Define:

Heterotroph:_____

_____

Autotroph: _____

_____

Identify if the pictures in the station bucket are autotroph or heterotroph. Then come up with two examples for each of your own.

Heterotroph	Autotroph

Station 3:

Objective: Use the concept of limiting factors to describe why some individuals in a population die before passing on their DNA to the next generation.

Objective: Use the idea of natural selection to predict how and why a population might change appearance or other characteristics over time if its environment changed.

Essential Question: How do organisms interact with changing environments?

Define:

Carrying Capacity: _____

_____

Limiting Factor: _____

_____

Natural Selection: _____

_____

Station Questions: Look at the graph in the station bin to answer the following questions.

1. What happened to the wolf population between points A and B?
    a. Increased
    b. Decreased
    c. Stayed the same
2. What happened to the wolf population between points C and D?
    a. Increased
    b. Decreased
    c. Stayed the same
3. What happened to the wolf population between points D and E?
    a. Increased
    b. Decreased
    c. Stayed the same
4. Describe one possible explanation for the change in wolf population between points B and C.

    _____

    _____

5. Describe one possible explanation for the change in wolf population between points C and D.

    _____

    _____

6. What do you think is the carrying capacity of the wolf population? _____
7. Name three potential limiting factors that would stop a wolf population from continuing to grow and grow and grow out of control.

    1. _____
    2. _____
    3. _____

Station 4:
Objective: Identify biotic and abiotic factors of an ecosystem.

Define:

Biotic: _____

_____

Abiotic: _____

_____

Identify if the pictures in the station bucket are biotic or abiotic. Then come up with two examples for each of your own.

Biotic	Abiotic

Station 5:
Objective: Identify advantageous traits of organisms for certain environments.
Objective: Explain how biological change/ adaptation is still shaping our world today.
Essential Question: How do organisms interact with changing environments.

Define:

Traits: _____

_____

Adaptation: _____

_____

Variation: _____

_____

Biologically Fit: _____

_____

Look at the pictures in the station bucket and identify what adaptations each organism has to help it survive.

Organism	Adaptation(s) that exists to help it survive