

Introduction:

Ecology is the study of interactions among living things and between living things and their surroundings. Each and every mammal, insect, fish, etc. has a unique set of circumstances that effect their development, habitat, survival, and interactions with other animals. In this unit we will discover the different mechanisms and factors that act in nature to help maintain homeostasis. The best way for you to learn this information is to apply it.

Each student will select a wild animal to study during our ecology unit. As we continue to learn new information throughout the next two weeks of school, you will be asked to apply it to your animal through a series of small assignments that culminate in a final project. This final project will be your opportunity to display all the information you learned about your animal.

Procedure:

Below is a list of your assignments for this Unit. You will receive them all today and they are all due on the day of the test. These assignments will coincide with the information we cover in class and require you to do research on your animal. **All resources you get your information from are required to be cited on your final project.** The final project is due on the day of the test.

*** WIKIPEDIA IS NOT A CREDIBLE SOURCE AND THEREFORE SHOULD NOT BE USED***

Assignments:

All homework assignments are to be put into your Science Notebook as they have been all year and are numbered to follow where we currently are for assignments. This means that you can do all your homework tonight, tomorrow, or whenever you please. The only requirement is that it is there on the day of the test & art walk.

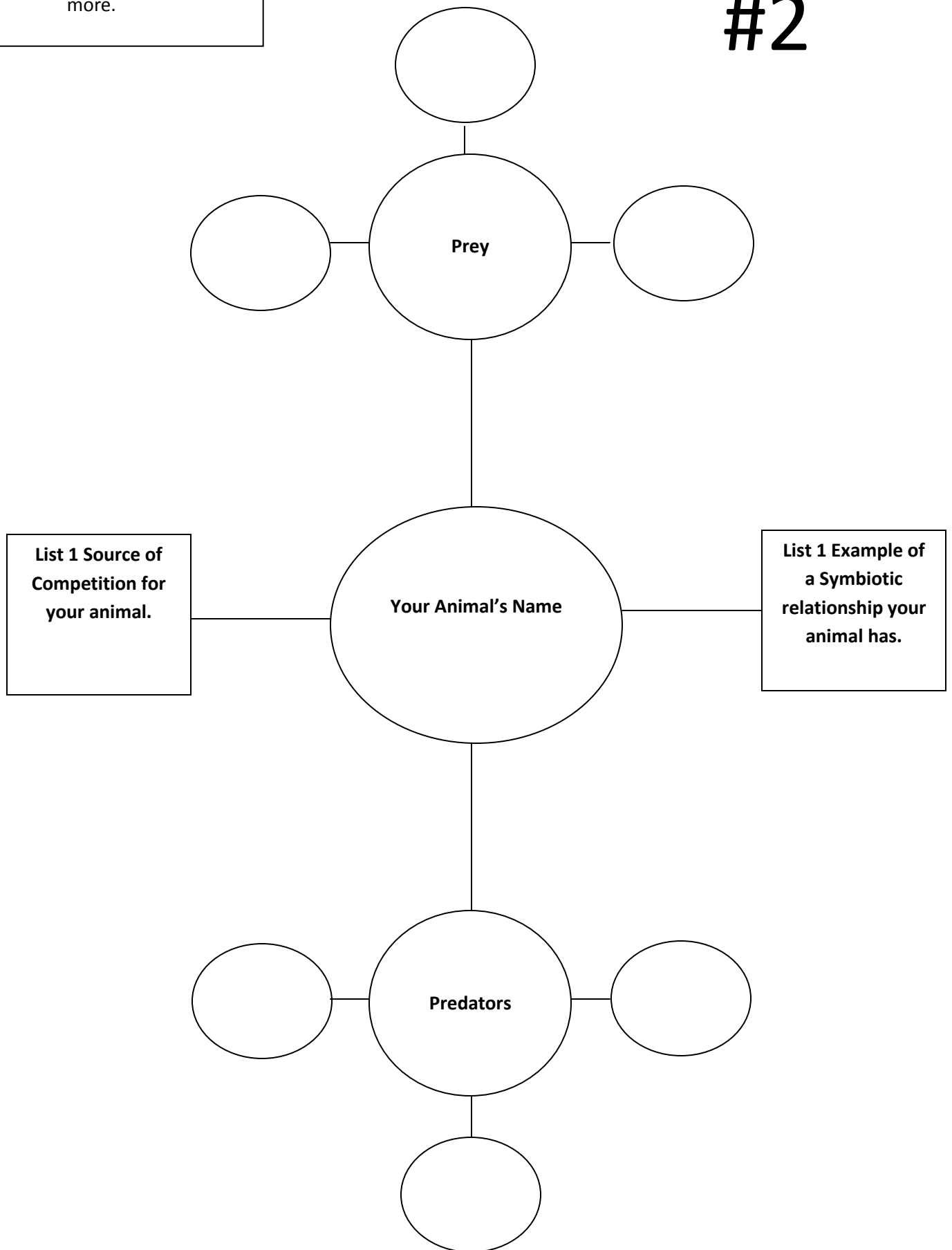
On the day of the test you will be required to bring a poster board of your animal and encompass the information you learned about it through the homework assignments you have done. They will be set up to create an "art walk" in the classroom with an additional assignment to be given at that time. Poster boards need to have:

- Animal Name / Picture (drawn, printed, cut out, etc.)
- Description of the animal's ecosystem with a picture depicting their ecosystem.
- Biotic & Abiotic factors in this ecosystem
- Whether it is a producer or consumer
 - If a consumer what type? Herbivore, carnivore, omnivore, detritivore or decomposer
 - Trophic level: Is it a Primary, secondary or tertiary consumer?
- A Pyramid model depicting your animal's trophic level and those above and below.
- Description of your animal's main competition for resources, any natural predators, and any incidences of symbiosis your animal is involved in. Pictures of your animal's competition, predators, etc. You can draw, print pictures or make it like a collage! However you want to be creative!

HW #	Sections	Assignment
24	13.1-13.2	Read Chapters → Vocabulary Terms Defined. Write two paragraphs about your animal's ecosystem. Describe animals that yours has constant interaction with. Describe biotic and abiotic factors in this ecosystem.
25	13.3-13.4	Read Chapters → Vocabulary Terms Defined. Create Graphic Organizer # 1 in your notebook based on the outline attached to this packet.
26	13.5-13.6	Read Chapters → Vocabulary Terms Defined. Create a rough draft of your Animals pyramid model. This rough draft does not have to include drawings, but needs to describe the level of consumers and what animals are in each level.
27	14.1-14.2	Read Chapters → Vocabulary Terms Defined. Write a paragraph describing your animal's ecological niche. Describe the type of food they eat, the abiotic conditions and your animal's behavior. Write a paragraph discussing any symbiotic relationships your species has and the type of relationship it is. Complete Graphic Organizer # 2 in your notebook

For Predator and Prey List **AT LEAST 3**
of Each. You are encouraged to have
more.

#2



#1

Your Animal's Name

**Producer
or
Consumer?**

Trophic Level

**Type of
Consumer /
Producer**

Give Three Resources for Food on
Lines Above

Three Reasons Why They Are This
Specific Trophic Level

Three Descriptive Words for the Type
of Consumer (ex: Herbivore you could
use plant eater, vegetarian, etc.)