Name _____ Date _____

Food Web Project

This project will be used to show me that you have a good understanding of **Food Webs**. You will be creating a food web using **poster board** and **pictures** or **drawings** of all the organisms that make up your food web. Please read and follow all of the directions carefully in order to get all of the points that you deserve. This **must** be turned in on time.

Your project will have **AT LEAST 10 total specimens. Pick an ecosystem that you want to explore: this can be a desert, forest, ocean, lake, stream, polar ice cap, pond, mountain slope, etc. Ecosystems fall into many different varieties. Pick your ecosystem first.** (google types of ecosystems if you get stuck) **You must *label* your poster as to what *type of ecosystem* you are showing.** Your **specimens** are to be divided up in the following manner:

Þ **Energy Source:**

1: The **sun (1)** must be located somewhere on your poster.

2: Research your ecosystem on the internet: what are the **producers (2)** in the ecosystem (those organisms which get energy from sunlight and turn it into food energy) Start with identifying your producers in your ecosystem.

3: Identify the **primary consumers (2)**: which organisms get their energy from the producers? (CLUE: these will be herbivores since they eat the plants which get the energy originally from the sunlight)

4: Identify the **secondary consumers (2)**: these are the animals which are carnivores and eat the primary consumers. They get their energy from consuming smaller creatures; ranging from insects to rabbits and small birds.

5: Identify your **tertiary consumers (2)**: these are always those organisms which are the final step in the food chain. They are the larger carnivores that nothing else eats, such as coyote, fox, hawks, eagles, wolves and bears.

6. Identify the **decomposers (1)**: these are the organisms, usually a bacterium or fungus, which break down the cells of dead plants and animals into simpler substances.

————————————————————————————— 10 points

Þ **Identification**

Identification of your specimens must be accurate. Each specimen must be correctly identified with its name and have a picture to represent it.

————————————————————————————- **10 points**

Þ **Labels**

Each specimen must be accurately labeled as to its role within your food web: producer, consumer, or decomposer. Use correct vocabulary. Print very neatly or type. Remember, **neatness counts!**

————————————————————————————- **10 points**

Þ **Links – Energy Transfer**

You will connect all your specimens with lines showing the transfer of energy. Arrows must point the correct direction, and be biologically accurate in terms of **predator-prey** relationships. Use a ruler and a marker to achieve neat, highly visible, straight lines.

————————————————————————————– **10 points**

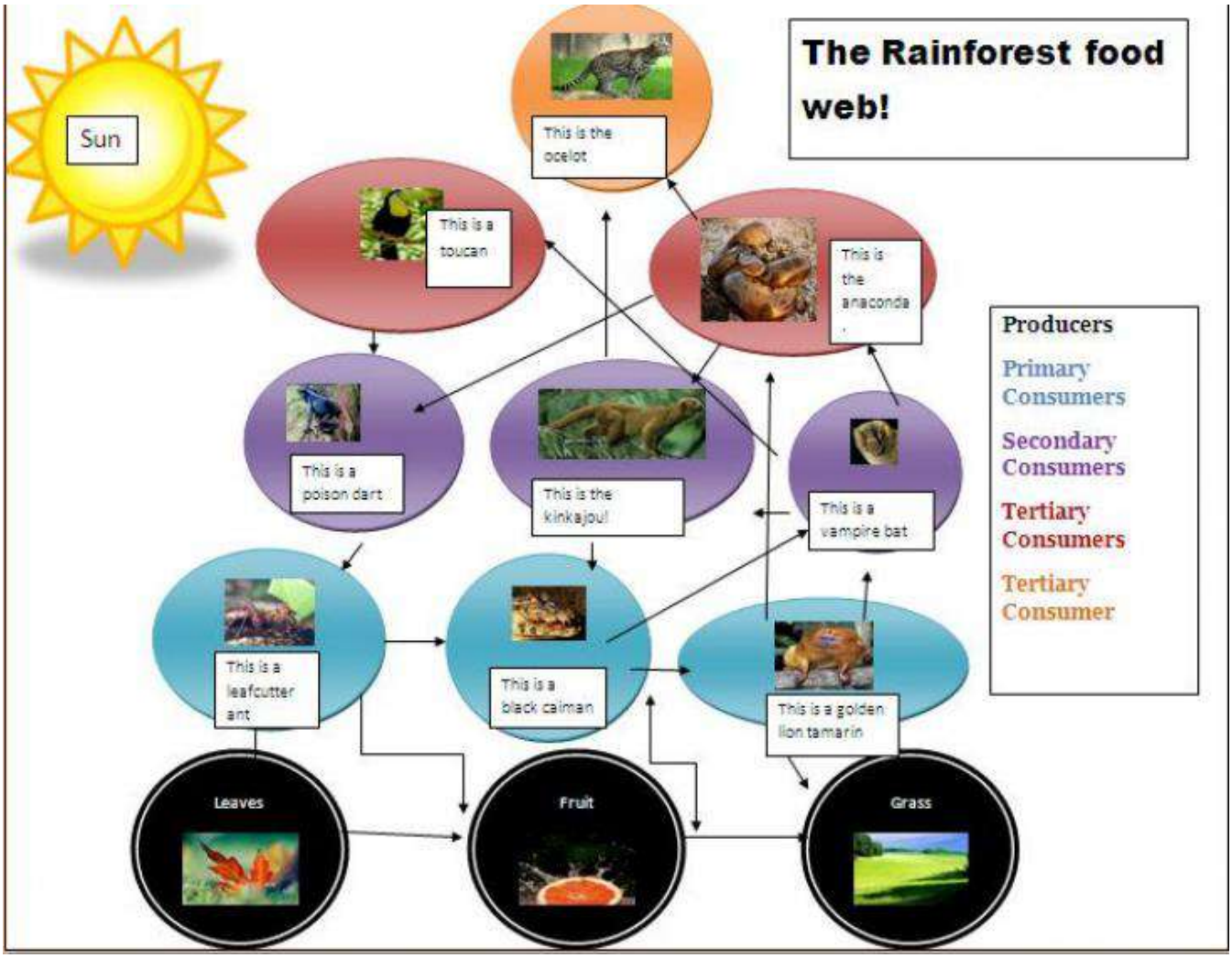
Þ **Presentation – what your final project looks like**

Your food web **must** be done on **poster board**. You may choose any color you want. You may want to choose a color that goes with your ecosystem. Ex.: Blue for an ocean ecosystem, green for a forest type ecosystem, etc. Of course, white is always a good color choice. The presentation part of your grade will be based on neatness, effort, arrangement of specimens, and creativity.

———————————————————————————— **10 points**

This project is worth **50 points.**

All posters are due by _____.


The Rainforest food web!
Sun
This is the ocelot
This is a toucan
This is the anaconda .
This is a poison dart
This is the kinkajou!
This is a vampire bat
This is a leafcutter ant
This is a black caiman
This is a golden lion tamarin
Leaves
Fruit
Grass
Producers
Primary Consumers
Secondary Consumers
Tertiary Consumers
Tertiary Consumer