Food Web Assignment
Science 7

On a piece of A3 paper, create a food web based on a specific ecosystem. You will need to study a specific ecosystem, from the apex predator to the decomposers.

Your Food Web must include the following elements.

- At least ten (10) different species, clearly labeled, including decomposers, scavengers, and producers.
- A picture of each species.
- The sun and its role with producers.
- A brief description of your ecosystem and where you would find it in the world.
- Arrows that show the direction the energy moves (from producer to consumers to decomposers and scavengers)
- A "how" statement for each arrow that explains exactly how one species consumes the next species.
- A list of sources you used to create your food web.

Make sure you put your name on the sheet. I recommend writing all of your "how statements" on separate sheets of paper, and then cutting them out and laying out your food web so that you make sure you have enough room on your page. I will not give you multiple sheets of A3 paper, so make sure you've created your how statements and pictures of animals on separate sheets of paper before you glue them down.

The "How Statements"

For each connection, you must write a "how statement" that explains how the consumer collects energy from whatever they consume. You might describe their teeth, digestive systems, beaks, physical adaptations, daily or seasonal eating habits, or any other adaptation that might help your species consume energy and nutrients. For example,

> The **arctic hare** uses its chisel-like teeth to finely grind lichens and grasses that grow on the tundra.

Marking

- _____/10 **10 different species**, clearly labeled, as part of your ecosystem.
- _____/10 At least **10 different connections** between species, using an arrow, each with a "how statement" that explains how the one species consumes the energy from another.
- _____/2 **The Sun** and its role in the ecosystem.
- _____/3 A general **description of your ecosystem**
- _____/5 **Clear organization** of your food web that shows
- _____/5 **Clear references** about where you found your information