

**Bill Nye – Food Web**

**Name** \_\_\_\_\_

**1. What is a Food Web?**

A Food Web is the overlapping inter-connections between plants, animals and decomposers that depend on each other to survive.

**2. What are decomposers and what do they do?**

Decomposers are organisms that break down wastes and dead matter which puts important nutrients back into the soil.

**3. On what do all living things depend to survive?**

All living things depend on plants to survive.

**4. What do plants make?**

Plants make food and oxygen.

**5. Where does our food come from?**

We basically get all our food from plants.

**6. What does the name Photosynthesis mean?**

*Photosynthesis means "making from light".*

**7. What is Photosynthesis?**

Photosynthesis is the process by which plants use carbon dioxide, sunlight and water to make food and the by-product oxygen.

**8. What are plants basically made up of and what is their structure?**

Plants are basically made up of sugars which are formed from Carbon, Hydrogen and Oxygen.

**9. Why do all animals need plants?**

All animals need oxygen to breathe and exist which is produced by plants.

**10. What is hydroponics?**

Hydroponics is growing plants without soil.

**11. What is a food pyramid and give one example?**

A food pyramid is the amount of energy that moves from one feeding level to another in a food web. Plants are at the bottom level and most abundant. Each level reduces in numbers of organisms. Example: Apple Tree > Apple > Pig > Man.

**12. Why do we need more plants than animals in the food pyramid?**

The more plants there are, the more energy produced to sustain the food web. At the top level there is less energy to go around.