Science - Year 3/4B Summer 1

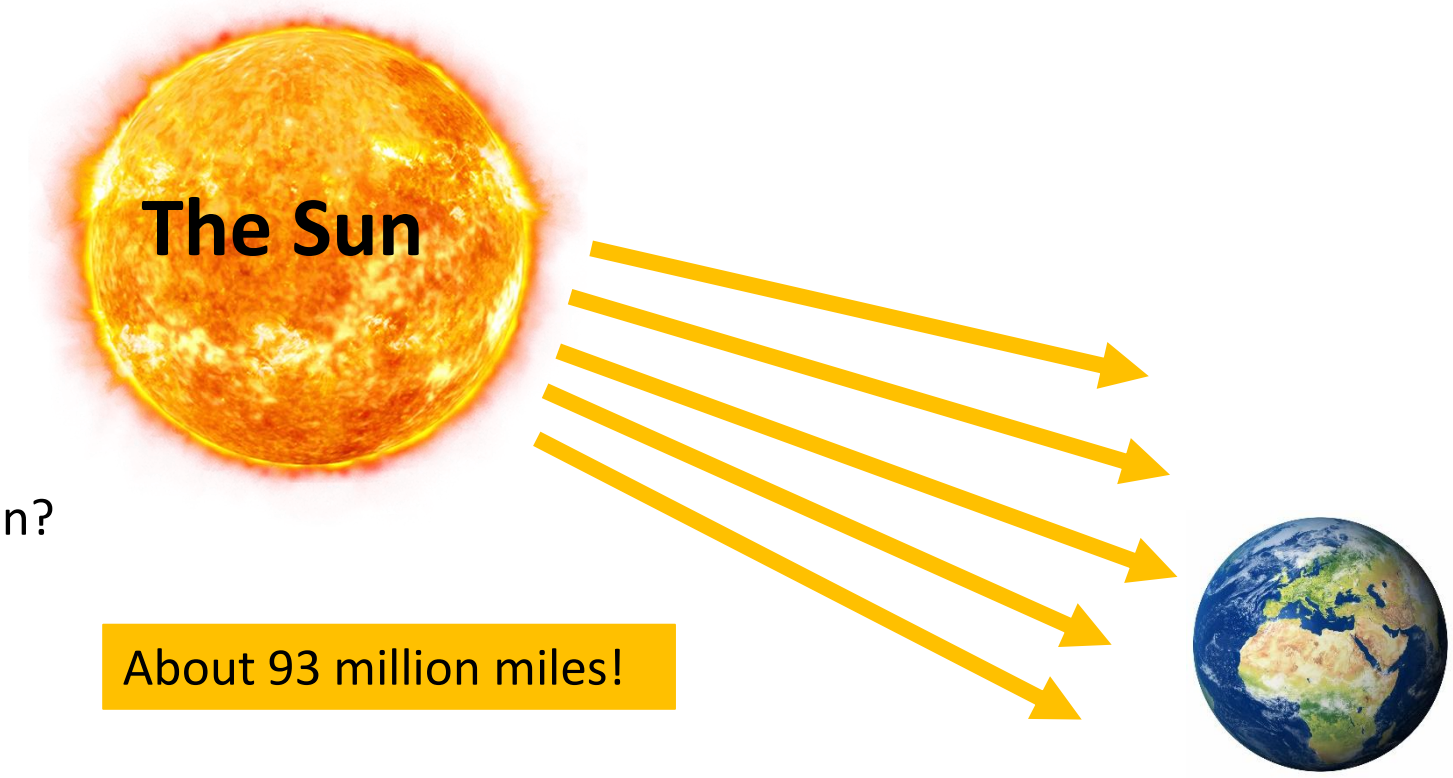
Animals including humans

The Circle of Life

Session 5

Teaching PowerPoint

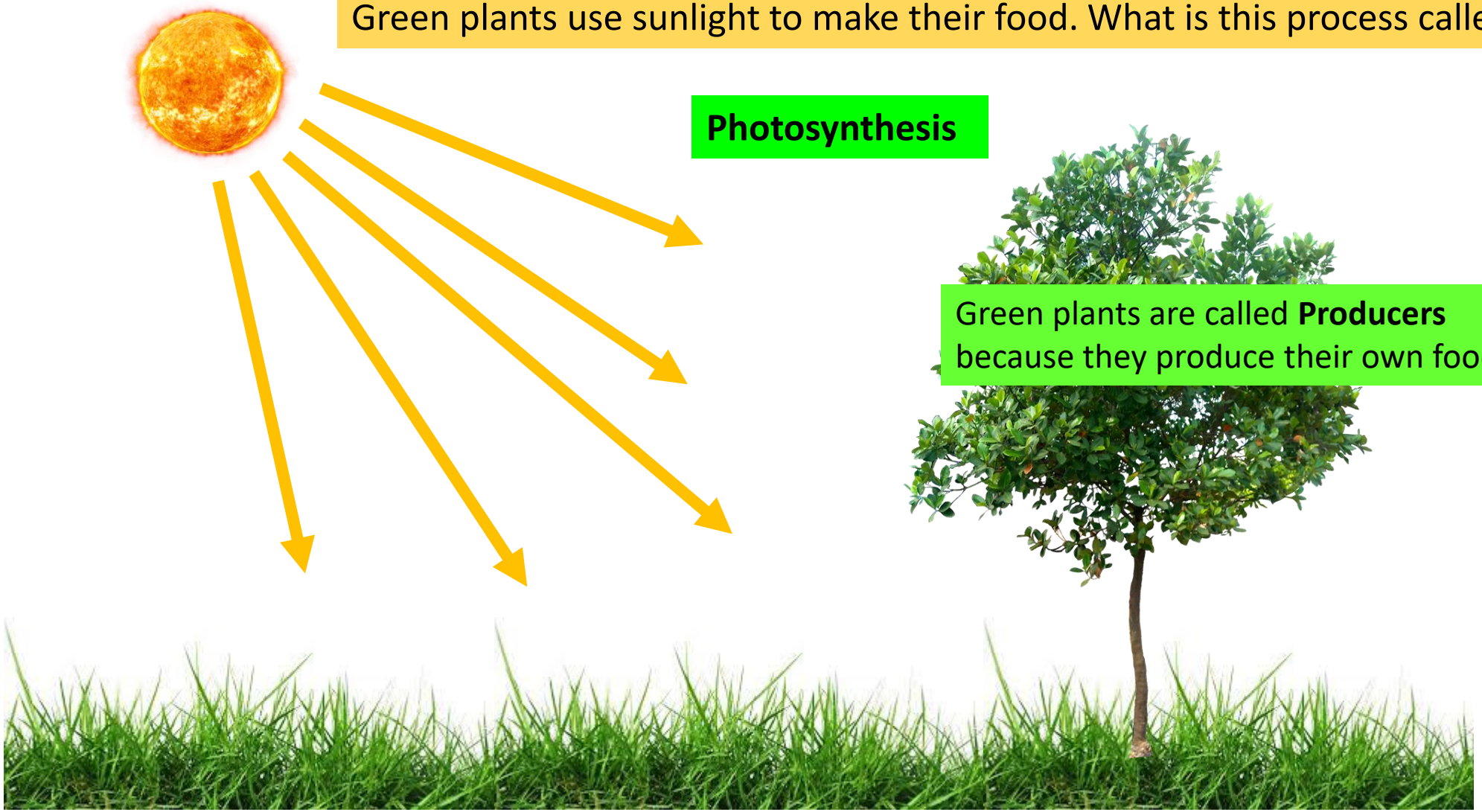
Where does all energy on planet Earth come from?



How far away is the sun?

About 93 million miles!

Green plants use sunlight to make their food. What is this process called?



Photosynthesis

Green plants are called **Producers** because they produce their own food.

What feeds what?

Starting with the sun, put these in order in the food chain

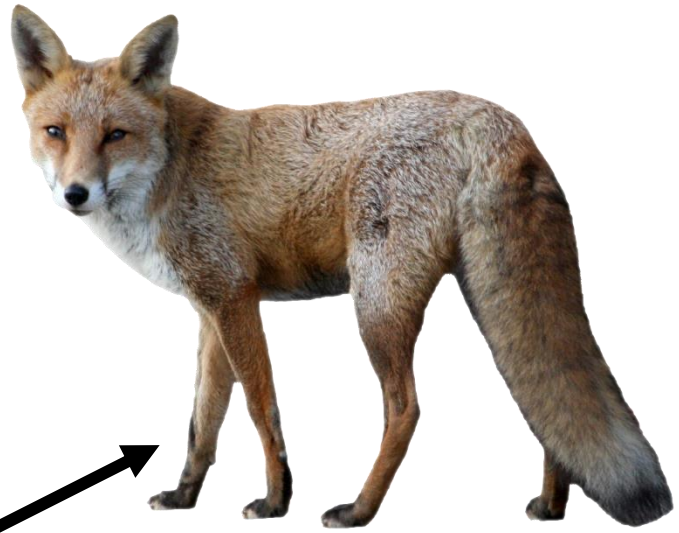
The energy is being transferred from creature to creature and the arrows show the direction it is going

The sun provides the energy for the lettuce to grow

The slug eats the lettuce

The hedgehog eats the slug

The fox eats the hedgehog



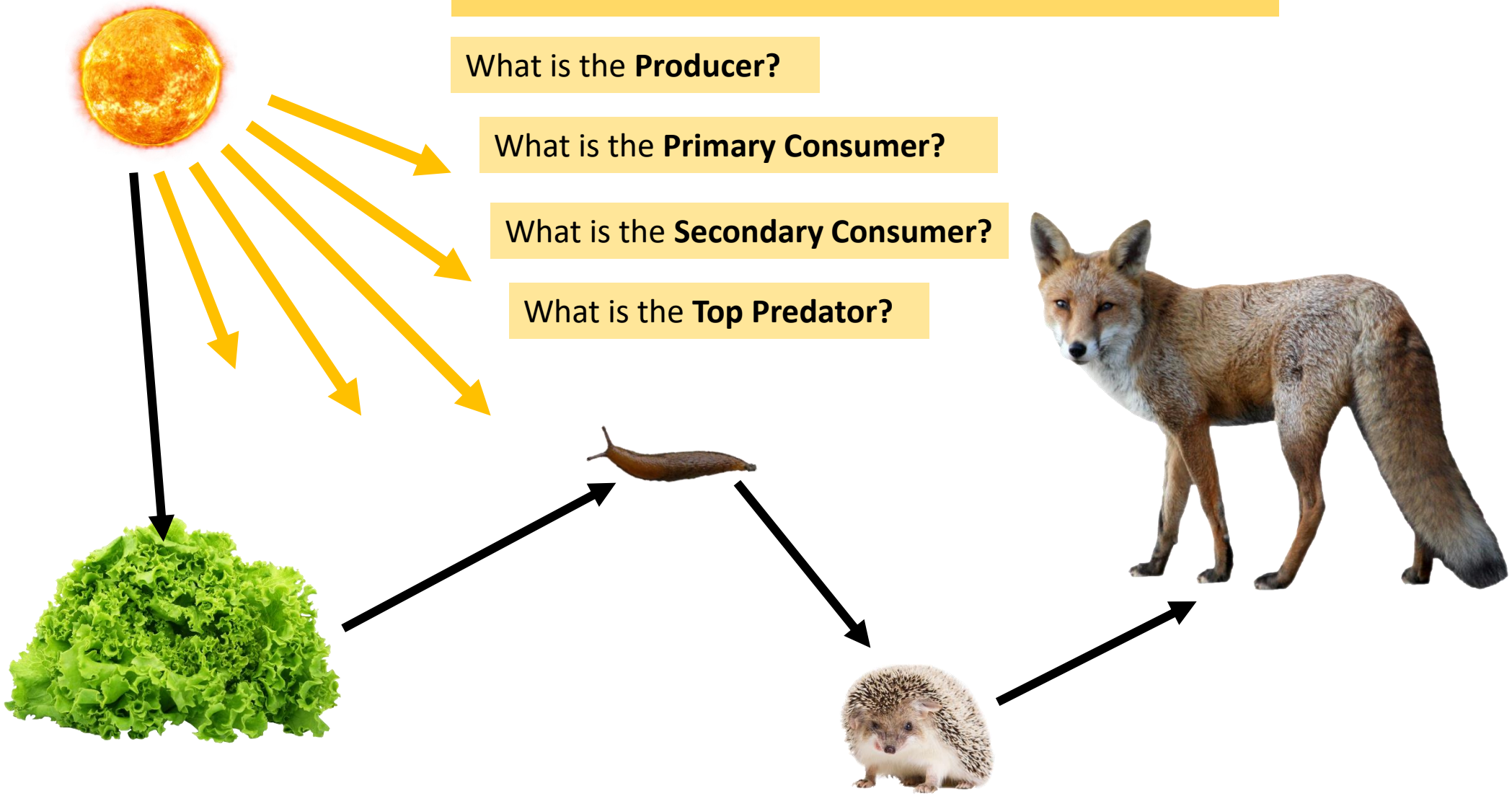
Let’s take a closer look at this **Food Chain**

What is the **Producer?**

What is the **Primary Consumer?**

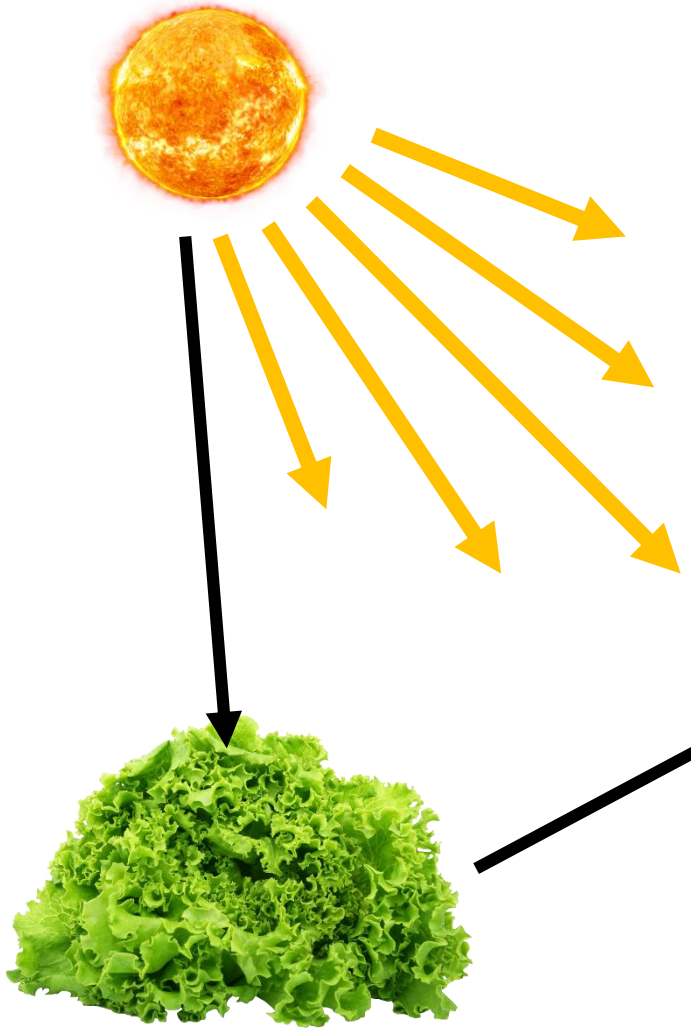
What is the **Secondary Consumer?**

What is the **Top Predator?**



Which animals are predators?

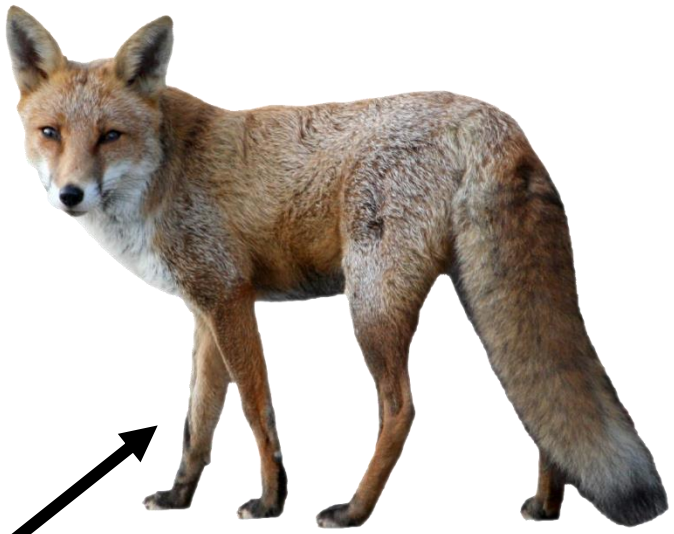
Which animals are prey?



I'm prey to the hedgehog

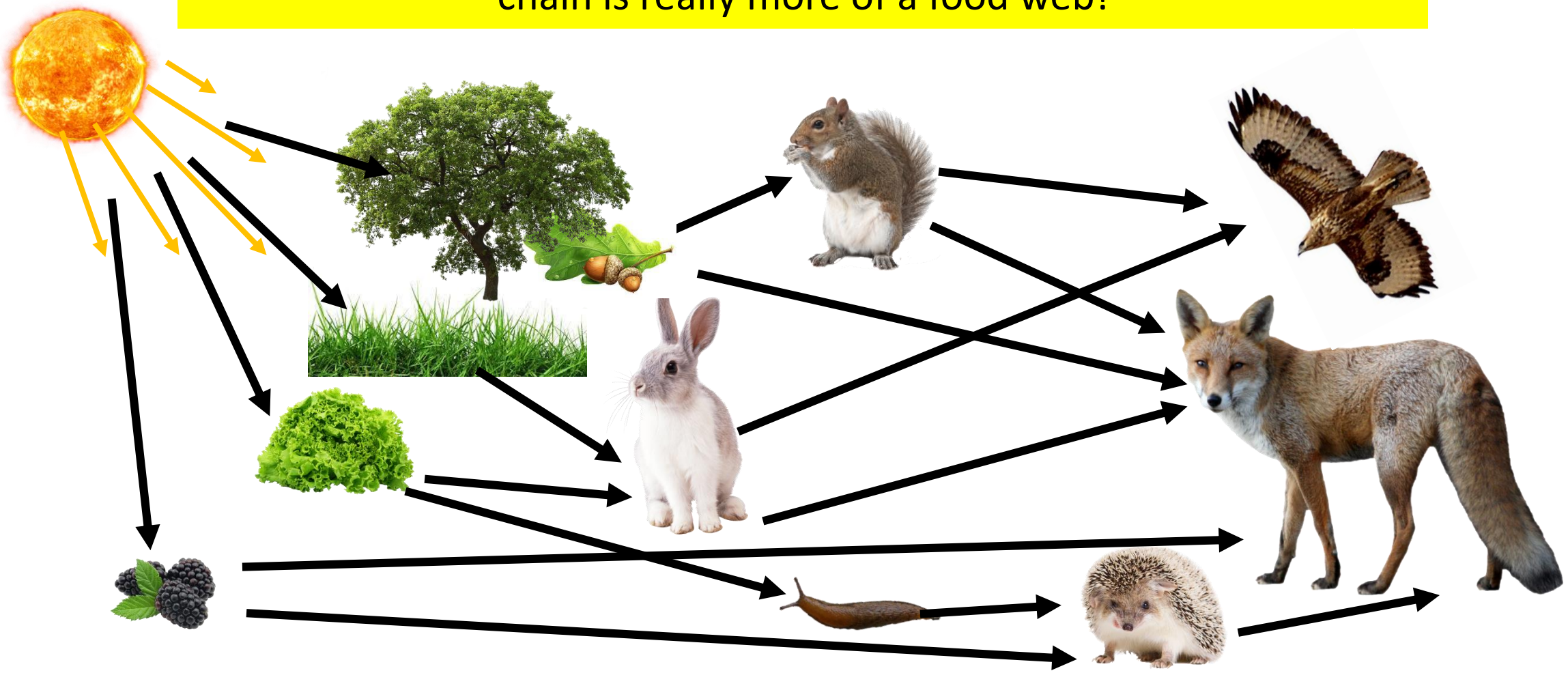
I'm a predator of the slug

and I'm prey to the fox

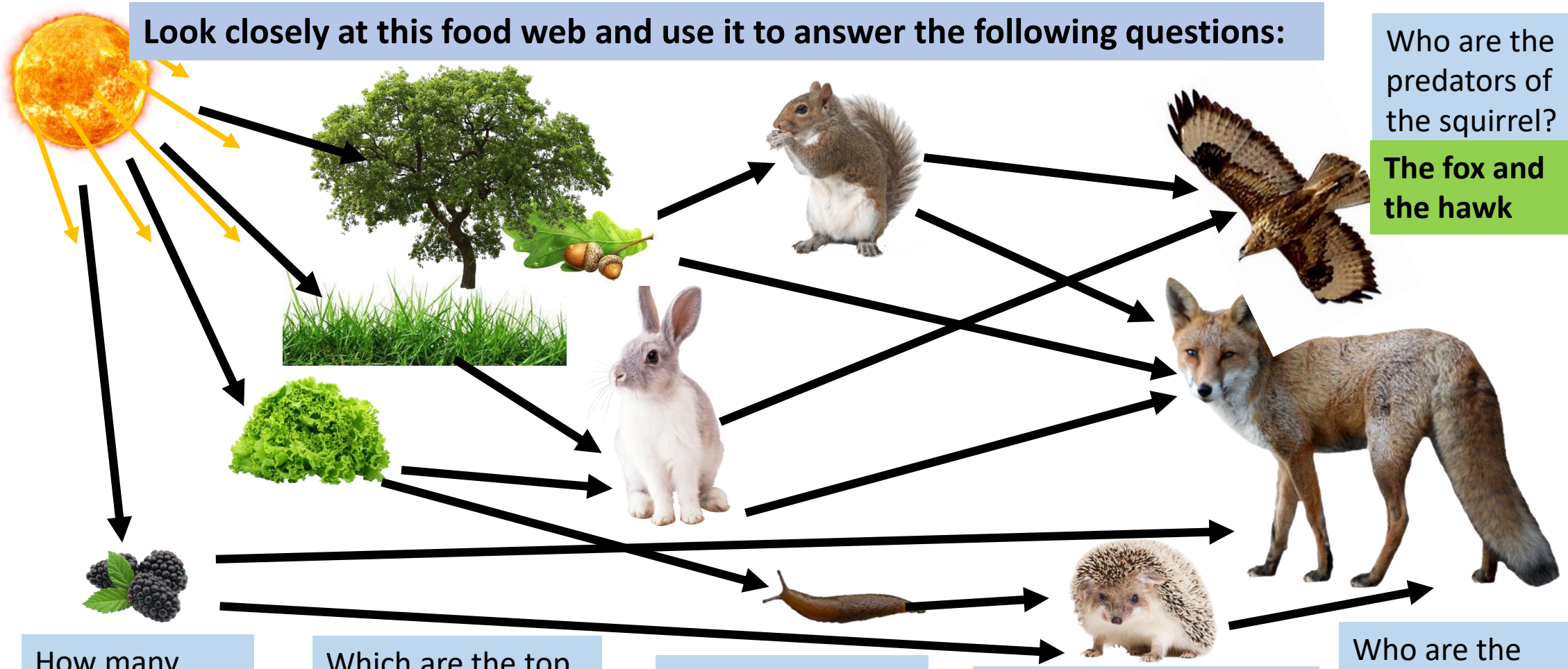


and I'm a predator of the hedgehog

In reality though, most animals eat more than one thing so a food chain is really more of a food web!



Look closely at this food web and use it to answer the following questions:



Who are the predators of the squirrel?

The fox and the hawk

How many producers are shown?

4
(all the plants)

Which are the top predators?

The fox and the hawk (because nobody eats them)

Who is the hedgehog's prey?

The slug

Who are the primary consumers?

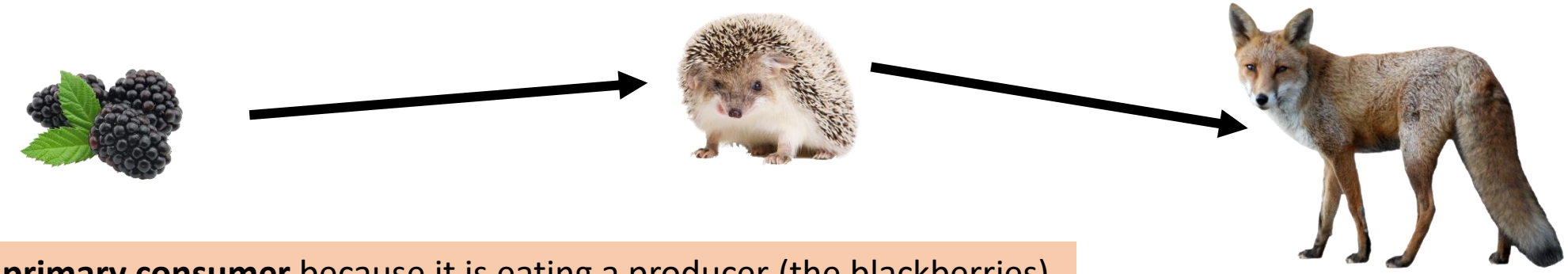
Every animal except the hawk (because they all eat plants)

Who are the secondary consumers?

The hawk, the fox and the hedgehog

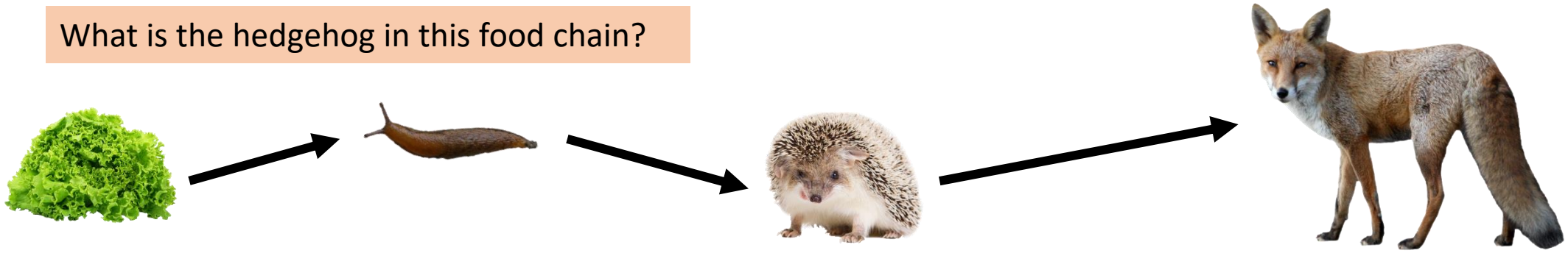
You might be wondering how the same animal can be both a primary and a secondary consumer.

Think about the hedgehog in this food chain. Is it a primary or secondary consumer?



A primary consumer because it is eating a producer (the blackberries).

What is the hedgehog in this food chain?



A secondary consumer because it is eating a primary consumer (the slug).

Wow! What a lot you've learnt about food chains and food webs. Now it's time to make your own!