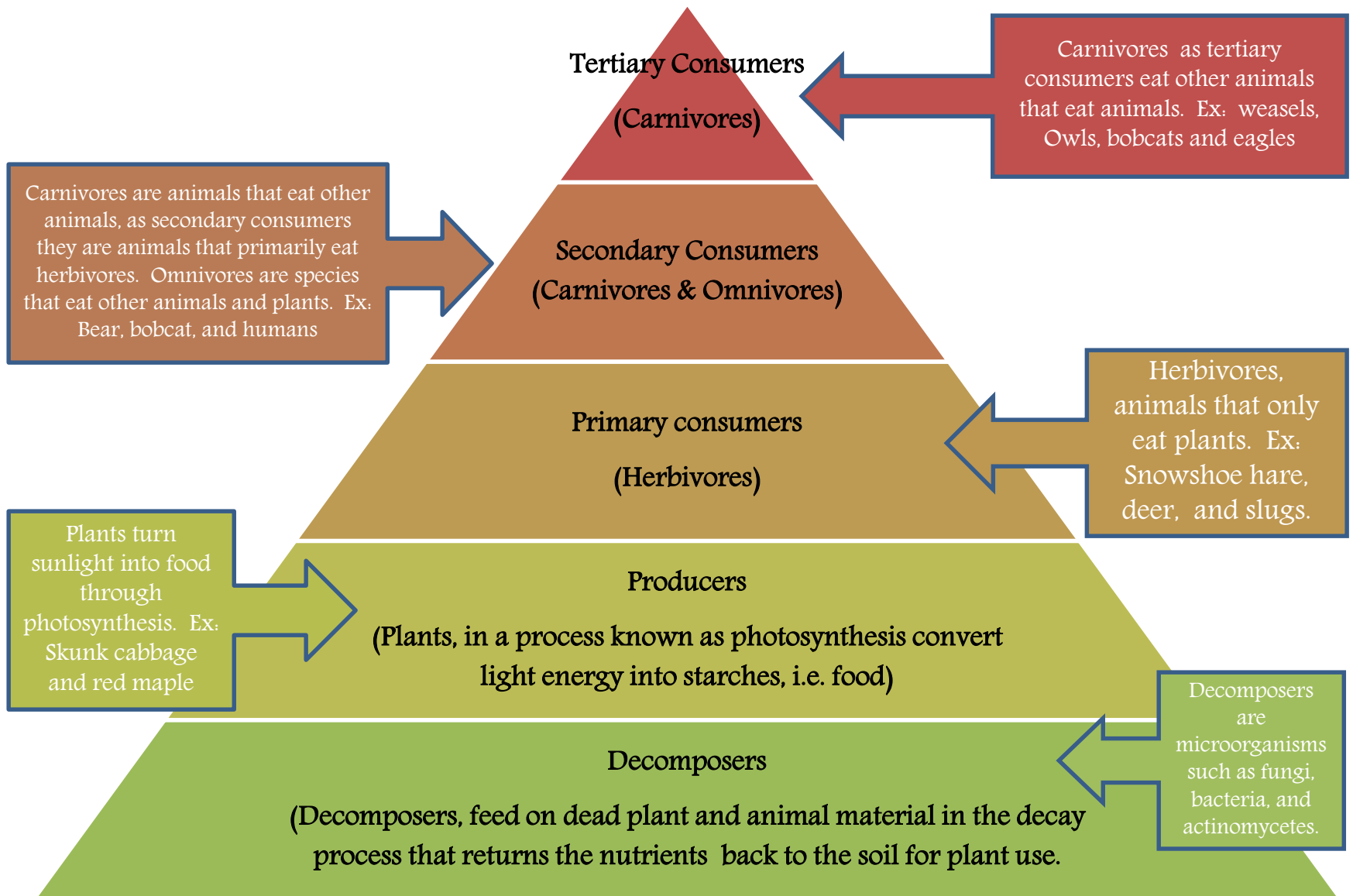
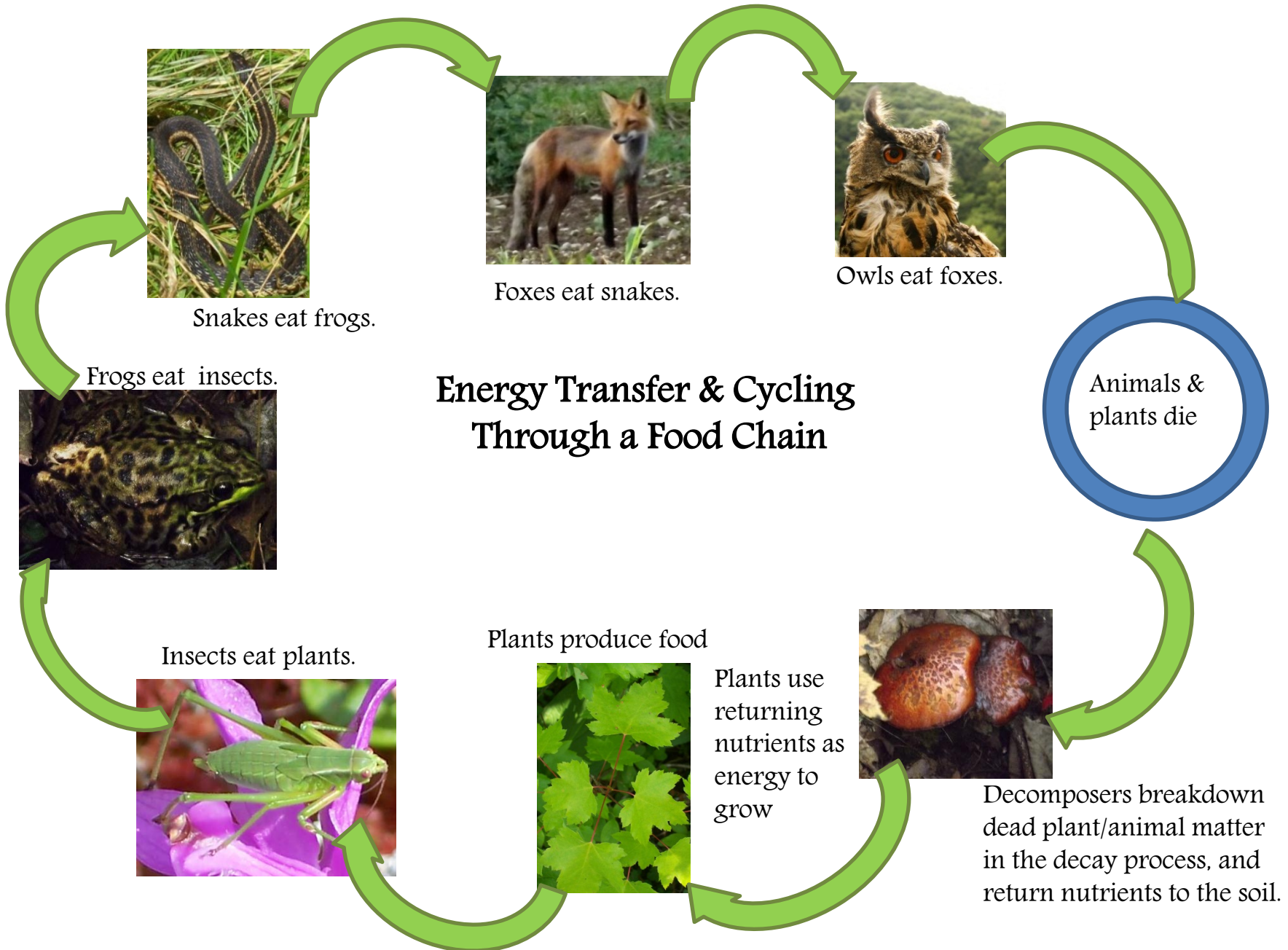


Food Webs and Energy Transfer





Snakes eat frogs.



Foxes eat snakes.



Owls eat foxes.



Frogs eat insects.



Insects eat plants.

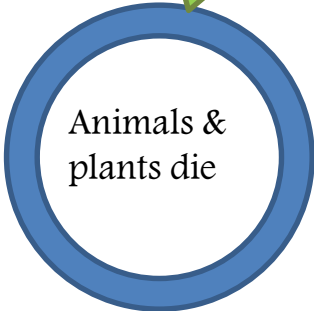


Plants produce food

Plants use returning nutrients as energy to grow



Decomposers breakdown dead plant/animal matter in the decay process, and return nutrients to the soil.



Animals & plants die

Potential Food Chains at Orono Bog

- Nectar and pollen > flies > northern leopard frog > garter snake > owl
- Dead plant or animal material > Fungi > slugs > frogs > weasel > coyote
- Bird eggs > red squirrel > red fox > bobcat
- Plants > snowshoe hare > bobcat
- Dead plant or animal material > ant > spider > frog > snake > owl

Real Food Webs are very complex, and food chains are merely simplified interactions of energy transfer.

For example: a coyote may eat a weasel, but a coyote may also eat berries, bird eggs, dead animals, mice, insects, snakes, grass...etc.

Food Web

