

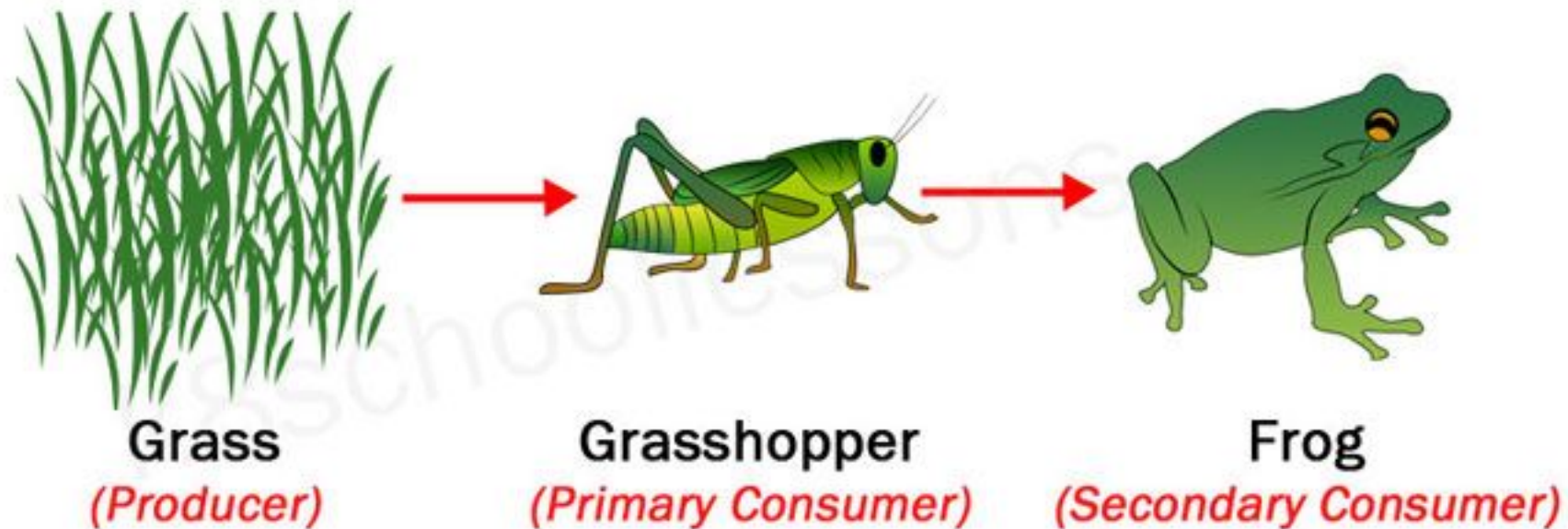
Food chain and food web



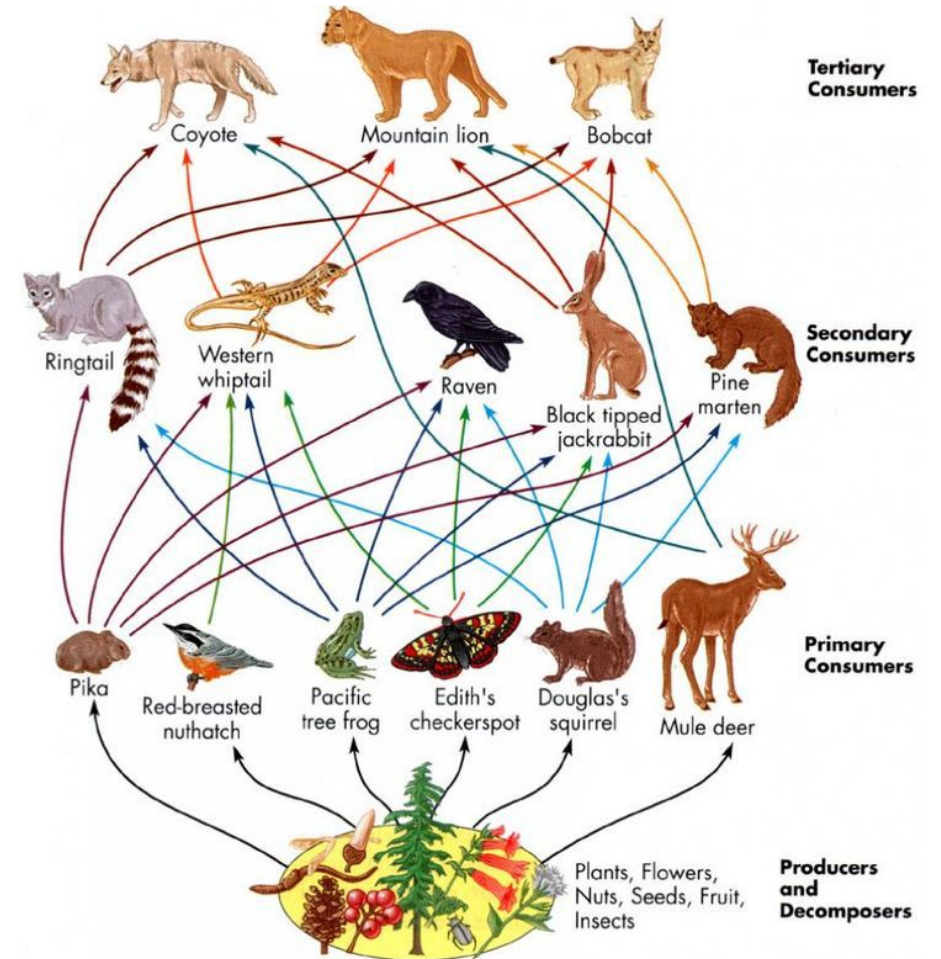
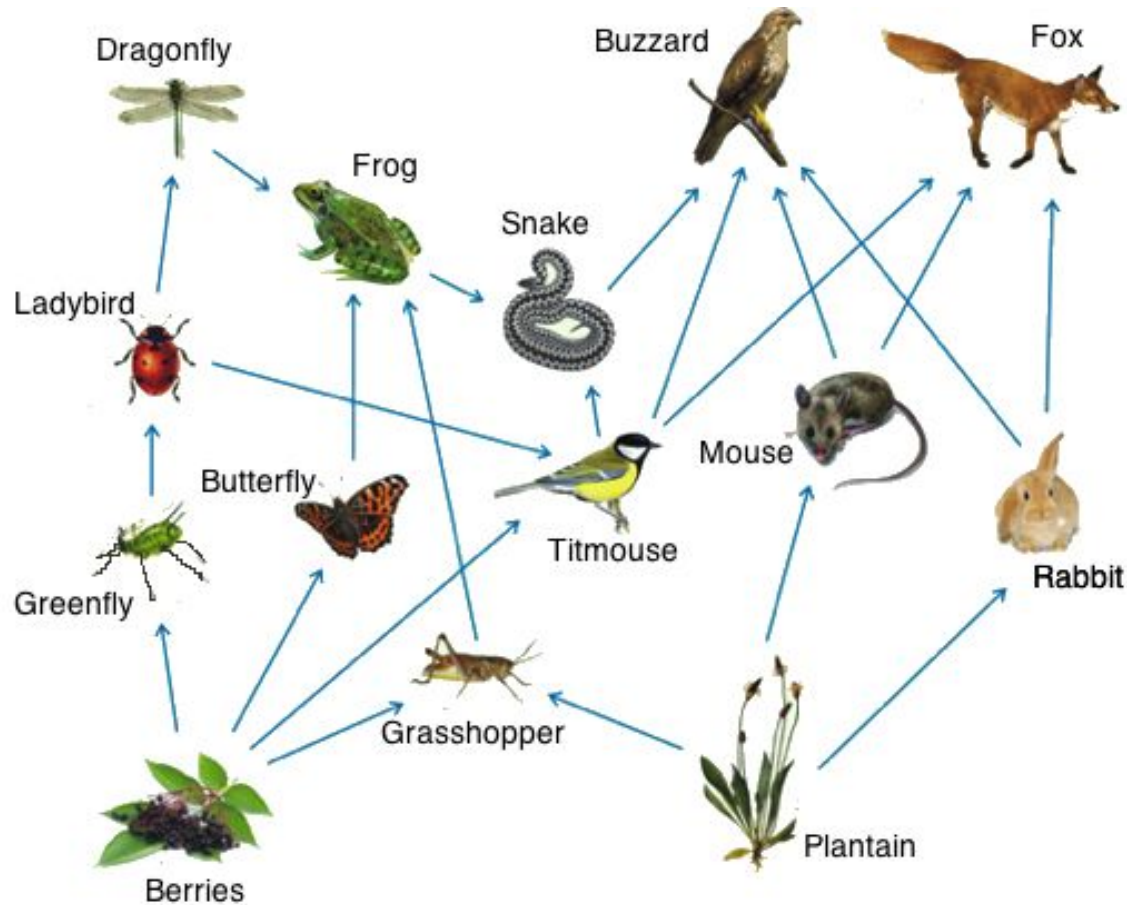
You will:

- compare natural food chains;
- construct food chains and food webs

- A **food chain** is a simple model that shows how food (energy) flows from one organism to another
- Plants are called **producers** because they produce food.
- When **plant-eating animals** eat plants, some of the plant's' energy pass to animals. These animals are called as **primary consumers**.
- Animals that **eat other animals** are called as **secondary consumers**.



- A **food web** is a model that shows many food chains and pathways in which energy (food) flows through a group of organisms.
- **Decomposer** organisms that break down dead organisms



Task

- Below in the table you can see two different ecosystems. Put these organisms into the table: **caterpillar, frog, leaf, small fish, phytoplankton, snake, tuna, zooplankton**. Use one word only once.

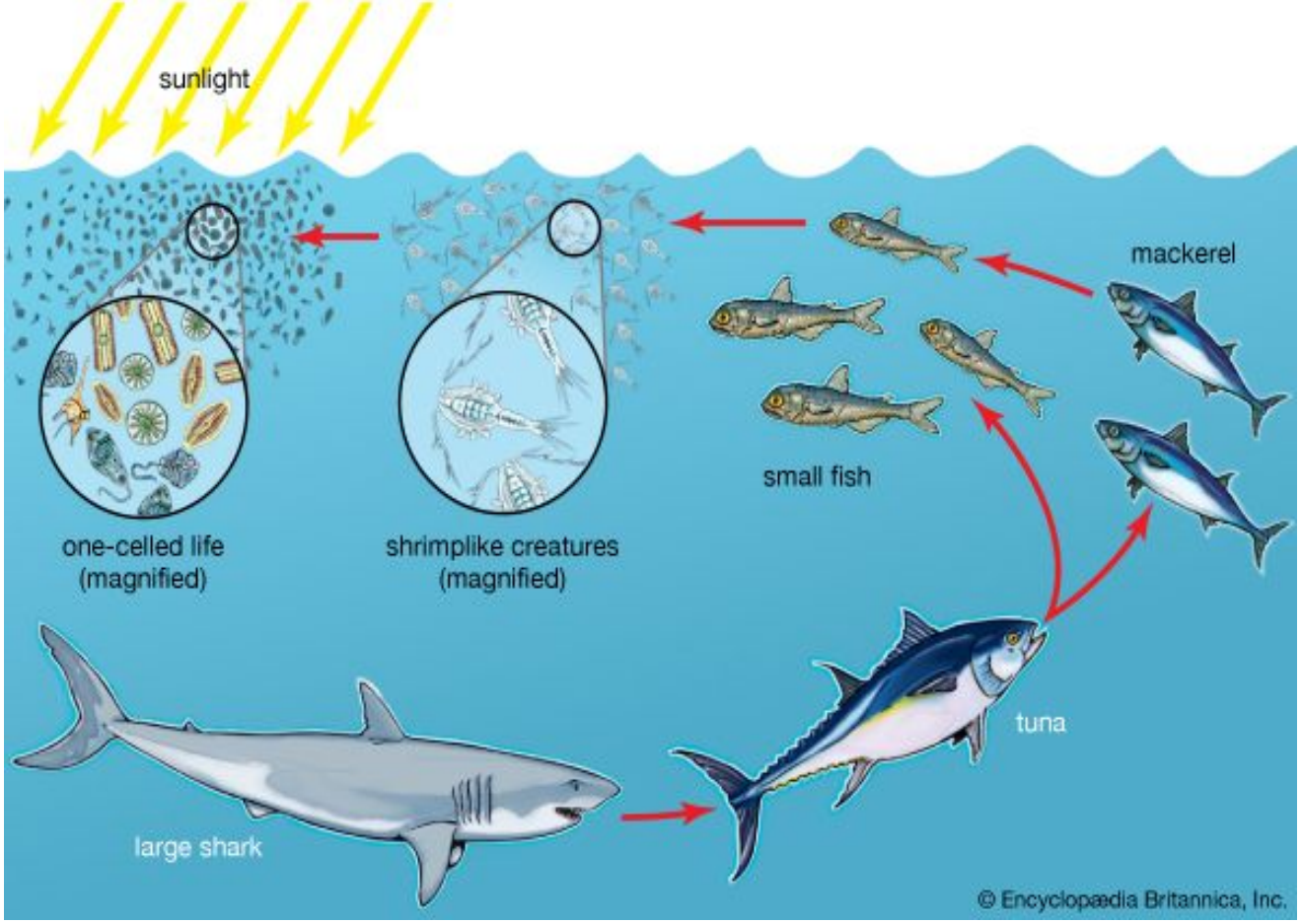
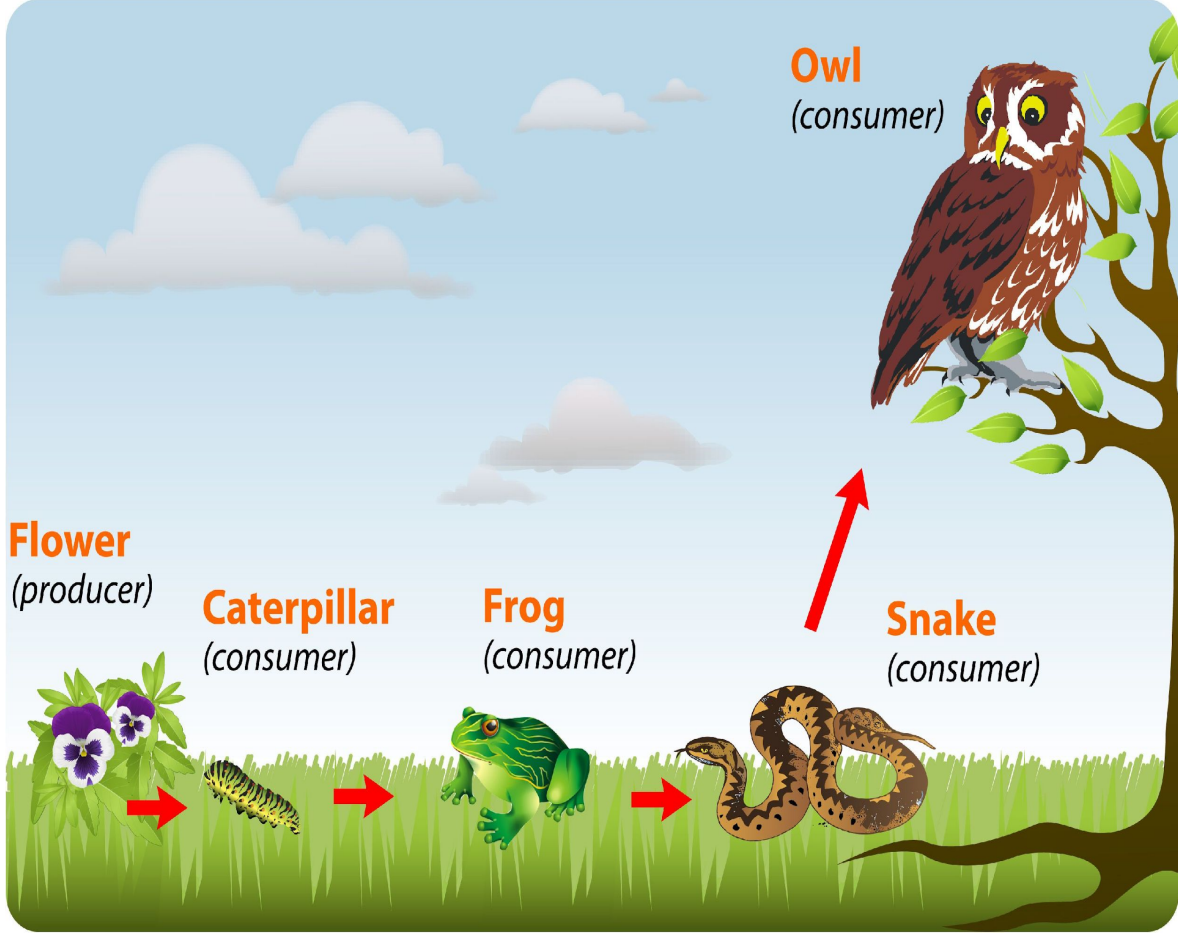
| Ecosystem | Producer | Primary consumer | Secondary consumer | Tertiary consumer |
|-----------|----------|------------------|--------------------|-------------------|
| Forest | | | | |
| Ocean | | | | |

- After filling the table answer questions below:*
- Compare two ecosystems and show: one similarities and one difference between food chains.
- These ecosystems also have quaternary(4th) consumer. What quaternary consumers can be added to ecosystems?

Answers

- Below in the table you can see two different ecosystems. Put these organisms into the table: **caterpillar, frog, leaf, small fish, phytoplankton, snake, tuna, zooplankton**. Use one word only once.

| Ecosystem | Producer | Primary consumer | Secondary consumer | Tertiary consumer |
|------------------|----------------------|-------------------------|---------------------------|--------------------------|
| Forest | leaf | caterpillar | frog | snake |
| Ocean | phytoplankton | zooplankton | small fish | tuna |



Fact

- Human highly affects food webs. In XVIII century, rabbits were introduced into Australia. As there were no predators of rabbits in continent, rabbits started to reproduce very fast. Big numbers of rabbits highly affected agriculture and other living organisms. Causing **millions of dollars of damage to crops.**

