

Name of the student: *Date:* 01/10/2020

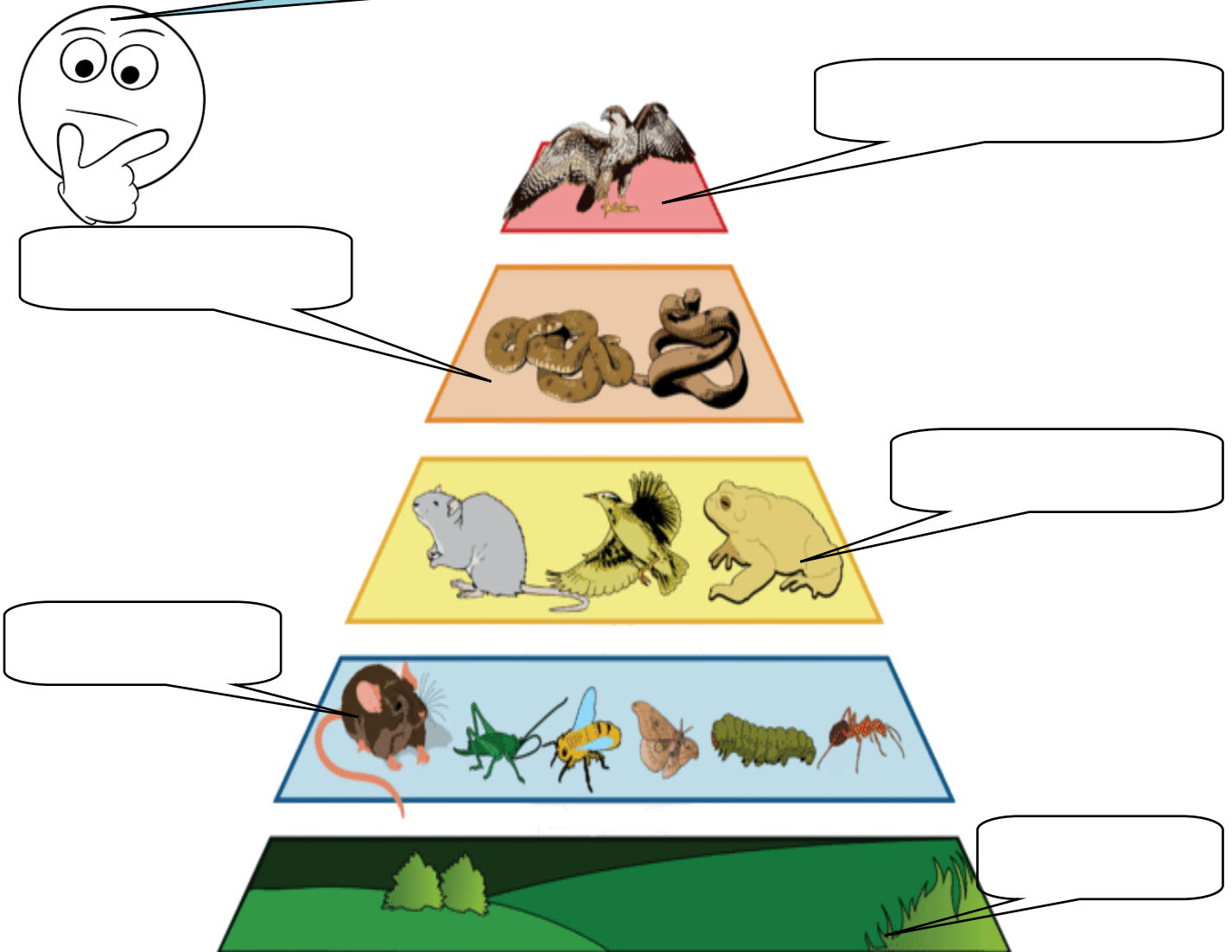
Trophic Level:

A **trophic level** is the group of organisms within an ecosystem which occupy the same **level** in a food chain.

There are five main **trophic levels** within a food chain. They are—

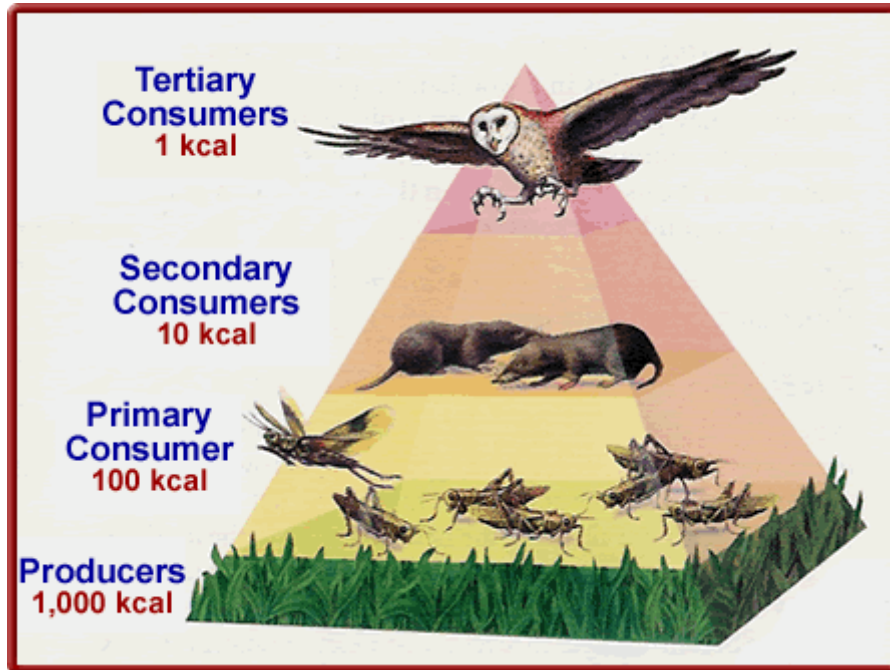
- 1) Producer
- 2) Primary Consumers
- 3) Secondary Consumers
- 4) Tertiary Consumers
- 5) Apex Predators

Write the names of the trophic levels in the image below.



Energy Pyramid:

An **energy pyramid** is a graphical representation, showing the flow of **energy** at each trophic level in an ecosystem.



- The amount of energy is more reduced reaching the top most trophic level.
- Flow of energy is always unidirectional.
- About 90% energy is reduced in every stage.
- The more a food chain is long the more energy would be reduced in higher trophic level and at one stage there would be remain no energy.

Q. Why is producer placed at the base of the energy pyramid? —Explain.

.....

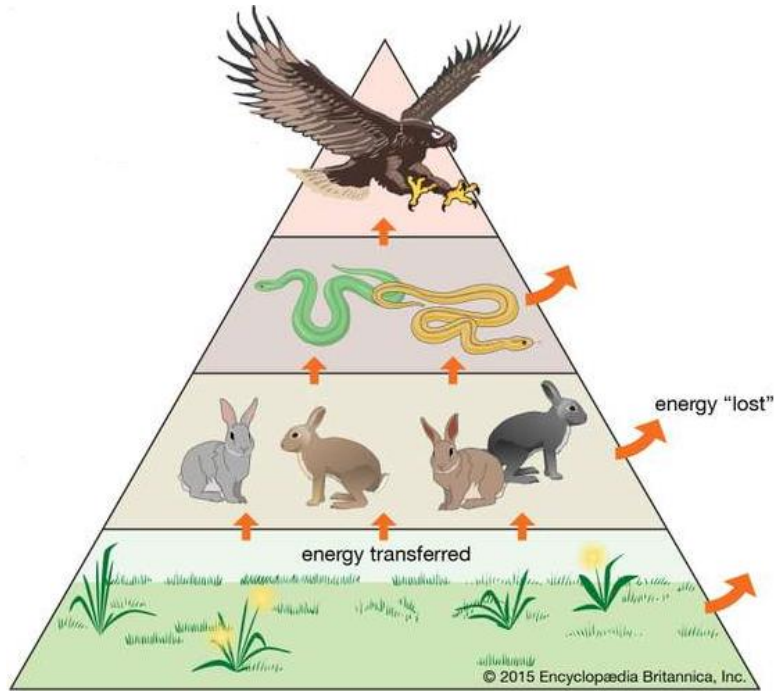
.....

.....

.....

.....

Write the answer of the following questions on the basis of the image given below.



Q. Which one will get much energy among rat, snake and eagle and why? —Explain.

.....

.....

.....

.....

Q. If producer gets 2000 kcal energy, how much energy will the eagle get & what is the total amount of energy wasted? —Explain.

.....

.....

.....

.....