Using the food web, create a food chain where the Lion is on trophic level 4 (tertiary consumer). There may be mutiple different chain possibilities. Just choose one for this exercise.
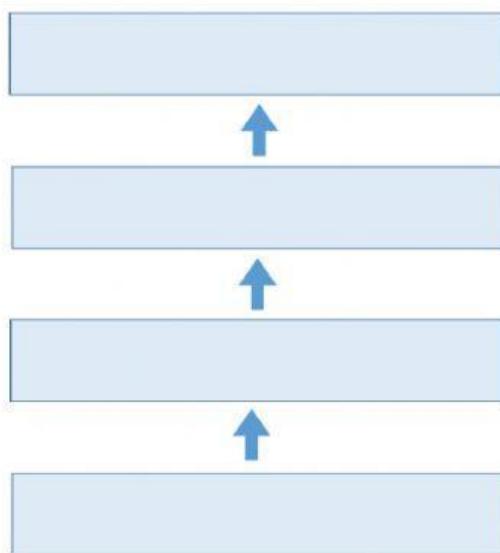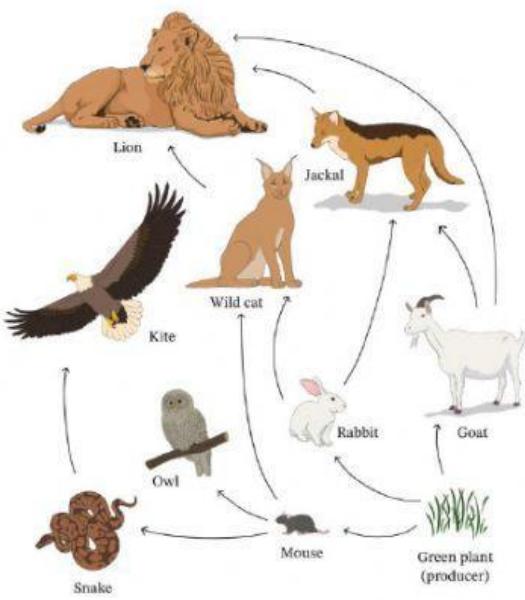
Place the organisms from your food chain in the correct level of the trophic level pyramid.

1. Write the name of the organism in the each level of the trophic pyramid.
2. In the smaller rectangle for each level, indicate if it is a producer, primary consumer, secondary consumer, or tertiary consumer.
3. On the left side of the pyramid, indicate the trophic level – TL 1, TL 2, TL 3, TL 4
4. On the right side, calculate the amount of energy that was transferred if the organism in TL 3 has 1.25 kJ.

5. How much (%) energy is transferred from one level to the next?

6. If trophic level 3 has 1.25 kJ, how much energy was **lost** from level 2 to level 3?

7. What type of energy is lost from the organism?