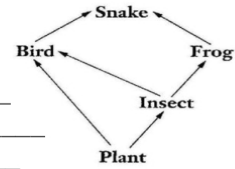


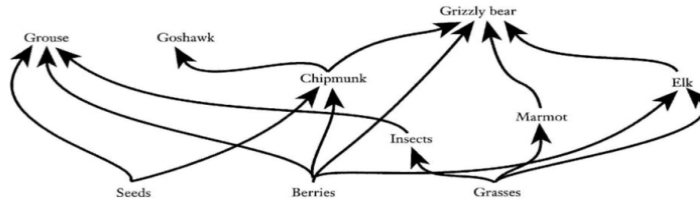
**Activity B-3.6d - Energy Transfers**

**Part A** - Answer the questions using the diagram to the right.

1. How many food chains make up the food web? \_\_\_\_\_
2. Which organism is an herbivore? \_\_\_\_\_
3. Which organism is an autotroph? \_\_\_\_\_
4. Which organism is a 3<sup>rd</sup> order consumer? \_\_\_\_\_
5. Which organism is an omnivore? \_\_\_\_\_
6. Which organism(s) belong to more than one food chain? \_\_\_\_\_
7. Which organism belongs to more than one trophic level? \_\_\_\_\_
8. What are decomposers? \_\_\_\_\_
9. Why does the energy in a trophic level decrease? \_\_\_\_\_



**Part B:** Use the diagram to complete the table below. If it is a heterotroph, tell what kind of heterotroph.



| <b>Autotrophs</b> | <b>Heterotrophs</b> | <b>Type of Heterotroph</b> |
|-------------------|---------------------|----------------------------|
| 10.               | 13.                 | 20.                        |
| 11.               | 14.                 | 21.                        |
| 12.               | 15.                 | 22.                        |
|                   | 16.                 | 23.                        |
|                   | 17.                 | 24.                        |
|                   | 18.                 | 25.                        |
|                   | 19.                 | 26.                        |

27. How would you describe the marmot's habitat and position in the food chain