

APES FOOD CHAIN / FOOD WEB MINI-LAB

Use your own paper

Draw TWO-CIRCLE VENN DIAGRAMS for the following:

- 1) food chain, food web
- 2) producer, consumer
- 3) heterotroph, autotroph

Draw THREE-CIRCLE VENN DIAGRAMS for the following:

- 4) herbivore, carnivore, omnivore
- 5) population, community, ecosystem

FOOD CHAIN CONSTRUCTION

- 6) Put the following organisms in order to make a food chain. Circle the producer. Put a square around the primary consumer. Put a triangle around the secondary consumer. Underline the tertiary consumer. Use the organisms below:

corn snake
bluegrass
hawk
mouse

FOOD WEB CONSTRUCTION

- 7) Draw a food web on your own paper. Be sure to include all organisms listed below. Producers are placed along the bottom. Draw lines connecting organisms that are consumed or consume other organisms.

| | | |
|---------------------|---------------|-------------|
| algae | frog | robin |
| ant | goldfish | swallow |
| blue-green bacteria | grasshopper | trout |
| blue jay | grizzly bear | turtle |
| caterpillar | human | waterbug |
| chicken | mountain lion | wheat |
| crabgrass | oak tree | willow tree |
| domestic cat | owl | wolf |

QUESTIONS

- 8) What will happen to each higher population size if the first level population were to dramatically *decrease*? Why?
- 9) What will happen each higher population size if the first level population were to dramatically *increase*? Why?