

STUDY SHEET **Using an Identification Key****Chapter 4**

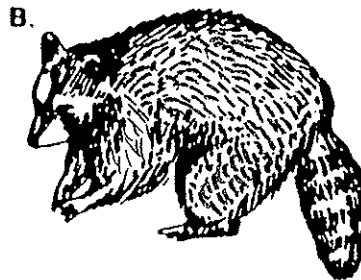
Use the *Key to Six Flesh-Eating Mammals* to identify the illustrated flesh-eating animals. Write the animal's common and scientific name in the blanks under each illustration.

Key to Six Flesh-Eating Mammals

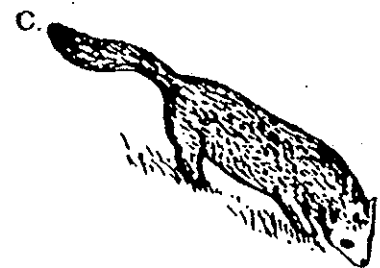
- 1a. If the animal's body is black with white stripes or spots on its back, go to # 2.
- 1b. If the animal's body is not black with stripes or spots, go to # 3.
- 2a. If a white stripe goes down center of the animal's face, back, and tail, it is a striped skunk, *Mephitis mephitis*.
- 2b. If the animal has a white spot on its forehead and broken stripes and spots on body, it is a spotted skunk, *Spilogale putoris*.
- 3a. If the animal's markings include a black mask across the eyes and cheeks and rings around the tail, it is a raccoon, *Procyon lotor*.
- 3b. If the animal's face and tail are not marked, go to # 4.
- 4a. If the animal's weight is more than 100 kilograms and its length is 2 meters or more, it is a black bear, *Euarctos americanus*.
- 4b. If the animal's weight is less than 25 kilograms and its length is less than 2 meters, go to # 5.
- 5a. If the animal's tail is long with a black tip, it is a long-tailed weasel, *Mustela frenata*.
- 5b. If the animal's tail is short and bushy, it is a badger, *Taxidea taxus*.



Common
name _____
Scientific
name _____



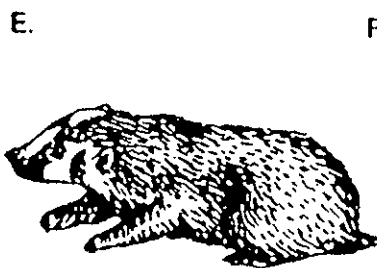
Common
name _____
Scientific
name _____



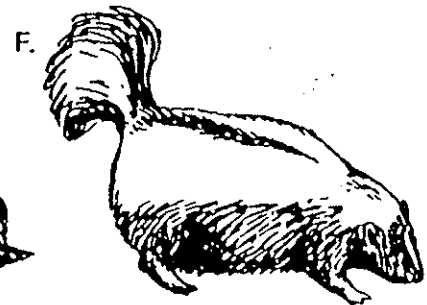
Common
name _____
Scientific
name _____



Common
name _____
Scientific
name _____



Common
name _____
Scientific
name _____



Common
name _____
Scientific
name _____

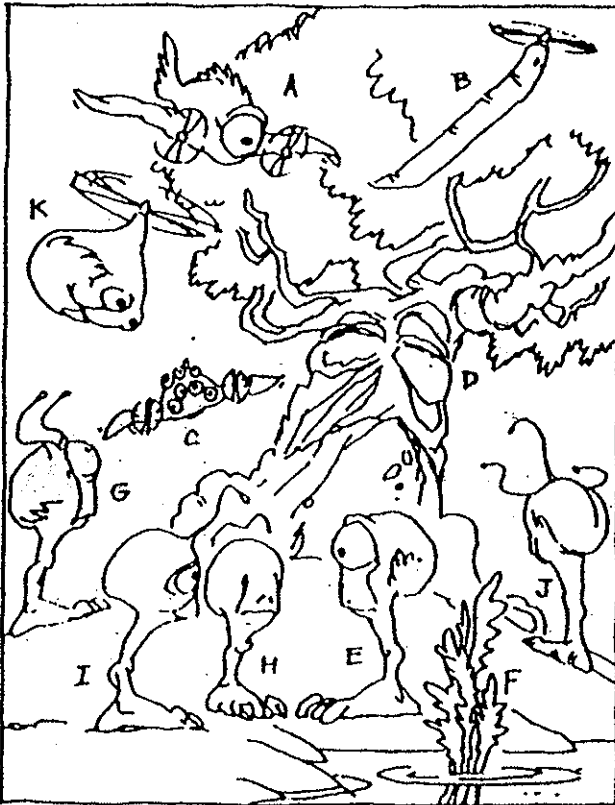
CHAPTER 4 SKILL

Objectives: To teach how to use a classification key; to teach the hierarchical structure of the classification system

NAME _____
 CLASS _____
 DATE _____

What a Strange Group!

Some very strange creatures are pictured below. Use the classification key to find each creature's scientific name. Begin with creature A. Read step 1 on the key. Choose the statement that best describes creature A, then go to the step this statement tells you to. Continue doing this until you get to a statement that has no "Go to." This statement has the name of the creature you are classifying. Write the creature's name in the space next to the letter A below. Repeat this procedure for all the other creatures.



Classification Key

1. Can move about ... Go to 2.
 Can't move about ... Go to 9
2. Has one leg ... Go to 3
 Has one or more propellers ... Go to 6
3. Has one or more antennae ... Go to 4
 Has no antennae ... Go to 5
4. Has one antenna ... *Podus monoantenna*
 Has two antennae ... *Podus biantennae*
 Has three antennae ... *Podus triantennae*
5. Has one large eye ... *Podus cyclops*
 Has no eyes ... *Podus anoculus*
6. Has wings ... Go to 7
 Has no wings ... Go to 8
7. Has one large eye ... *Dipteron cyclops*
 Has many eyes ... *Dipteron polyoculus*
8. Circular shape ... *Helikopteron coccus*
 Rod shape ... *Helikopteron bacillus*
9. Lives on land ... *Sessilis terrestris*
 Lives in water ... *Sessilis aquatilis*

Write the creatures' scientific names in the spaces below.

A. _____
 B. _____
 C. _____
 D. _____
 E. _____
 F. _____

G. _____
 H. _____
 I. _____
 J. _____
 K. _____