

Birds and Mammals ▪ *Guided Reading and Study*

Mammals

This section describes the characteristics of mammals.

Use Target Reading Skills

After you read the section, reread the paragraphs that contain definitions of Key Terms. Use all the information you have learned to write a definition of each Key Term in your own words.

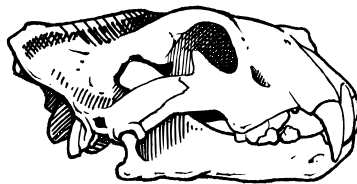
- mammal _____
- mammary gland _____
- diaphragm _____
- monotreme _____
- marsupial _____
- gestation period _____
- placental mammal _____
- placenta _____

Characteristics of Mammals

1. Circle the letter of each characteristic of mammals.
 - a. endothermic vertebrate b. feathers
 - c. three-chambered heart d. teeth
2. Is the following sentence true or false? The young of most mammals are born alive. _____
3. Every young mammal is fed with _____ produced in its mother's body.

Match the type of teeth with their function. Some functions may be used more than once.

Teeth	Function
___ 4. canines	a. Bite off and cut parts of food
___ 5. molars	b. Stab food and tear it
___ 6. incisors	c. Grind and shred food into tiny bits
___ 7. premolars	



8. Look at the teeth in the diagram above. Is this animal an herbivore or a carnivore? How do you know?

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Mammals *(continued)*

9. Is the following sentence true or false? All mammals, except whales, breathe with lungs. _____
10. Mammals breathe in and out because of the combined action of rib muscles and a large muscle called the _____ located at the bottom of the ribs.
11. Circle the letter of the number of chambers in a mammal's heart.
- a. two
 - b. three
 - c. four
 - d. five
12. Is the following sentence true or false? All mammals have fur or hair at some point in their lives. _____
13. How do fur and hair help mammals?
- _____
- _____
- _____
14. Generally, animals in cold regions have _____ coats of fur than animals in warmer environments.
15. Most mammals have four _____ and can walk and run.

Match the type of mammal with its specialized way of moving.

Mammal	Way of Moving
___ 16. bats	a. Have flippers for swimming
___ 17. dolphins	b. Have wings for flying
___ 18. orangutans	c. Swing by their arms

19. What sense do bats use to capture insects?
- _____
- _____
20. Circle the letter of each sentence that is true about mammals' nervous system.
- a. The brain helps mammals sense their environment and behave in complex ways.
 - b. Bears cannot smell their prey.
 - c. The senses of mammals are adapted for the ways that individual species live.
 - d. The brain is not well-developed.

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Diversity of Mammals

21. The three main groups of mammals are _____,
_____, and _____.
22. Is the following sentence true or false? Marsupials are mammals that lay
eggs. _____
23. Circle the letter of each animal that is a placental mammal.
 - a. kangaroo
 - b. elephant
 - c. duck-billed platypus
 - d. chimpanzee