Vertebrate Classifications

mammals  reptiles  amphibians

birds  fish

Use the clues to identify the vertebrate group.

1. ____________________  These animals are warm-blooded. They lay eggs and take care of their young.

2. ____________________  These animals are warm-blooded. They have hair or fur on their bodies. Their young do not hatch from eggs.

3. ____________________  These animals are cold-blooded. They breathe with gills when young, but they grow lungs when they become adults.

4. ____________________  These animals are cold-blooded. They breathe with gills throughout their lives.

5. ____________________  These animals are cold-blooded. They have dry, scaly skin and breathe air through lungs.

To which vertebrate group does each animal below belong?

6. elephant  ____________________  7. salamander  ____________________

8. penguin  ____________________  9. shark  ____________________

10. lizard  ____________________  11. alligator  ____________________

12. ostrich  ____________________  13. tree frog  ____________________

14. whale  ____________________  15. human  ____________________
Vertebrate Classifications

Tell whether each sentence is true or false.

16. All birds have feathers.
17. All mammals have hair or fur.
18. Reptiles are warm-blooded.
19. All birds can fly.

20. Is a bat a bird or a mammal? Explain.

21. Is a dolphin a fish, amphibian, or a mammal? Explain.

22. What is the difference between cold-blooded and warm-blooded animals?
Vertebrate Classifications

| mammals | reptiles | amphibians | birds | fish |

Use the clues to identify the vertebrate group.

1. **birds**
   - These animals are warm-blooded. They lay eggs and take care of their young.

2. **mammals**
   - These animals are warm-blooded. They have hair or fur on their bodies. Their young do not hatch from eggs.

3. **amphibians**
   - These animals are cold-blooded. They breathe with gills when young, but they grow lungs when they become adults.

4. **fish**
   - These animals are cold-blooded. They breathe with gills throughout their lives.

5. **reptiles**
   - These animals are cold-blooded. They have dry, scaly skin and breathe air through lungs.

To which vertebrate group does each animal below belong?

6. **elephant**
   - mammal

7. **salamander**
   - amphibian

8. **penguin**
   - bird

9. **shark**
   - fish

10. **lizard**
    - reptile

11. **alligator**
    - reptile

12. **ostrich**
    - bird

13. **tree frog**
    - amphibian

14. **whale**
    - mammal

15. **human**
    - mammal
Tell whether each sentence is true or false.

16. **true** All birds have feathers.
17. **true** All mammals have hair or fur.
18. **false** Reptiles are warm-blooded.
19. **false** All birds can fly.
20. **true** All birds have a beak or bill.
21. **true** All birds have 2 feet.
22. Is a bat a bird or a mammal? Explain.
   A bat is a mammal because they do not hatch from eggs, they are warm-blooded, and they have hair.
23. Is a dolphin a fish, amphibian, or a mammal? Explain.
   A dolphin is a mammal because they do not hatch from eggs, and they are warm-blooded. They even have a small amount of hair on their nose when they are born.
24. What is the difference between cold-blooded and warm-blooded animals?
   Cold-blooded animals’ have body temperature that change according to their surroundings. Warm-blooded animals maintain a constant body temperature.