Classification Quiz

I.   Multiple Choice

1. What characteristics do all vertebrates have in common?
    a. hair   b. skin
    c. a backbone   d. four legs

2. Vertebrate animals that are covered in scales and live in an aquatic environment are:
    a. reptiles   b. amphibians
    c. mammals   d. fish

3. Which characteristic makes vertebrates different from invertebrates?
    a. vertebrates have a backbone   b. vertebrates do not have a backbone
    c. invertebrates have a backbone   d. vertebrates have hair

4. Which is not a characteristic of animals?
    a. They are made up of cells.   b. They eat to survive.
    c. Their cells have nuclei.   d. They make their own food.

5. What does the term invertebrate mean?
    a. having feathers   b. not having a backbone
    c. made of many cells   d. having a backbone

6. Which is a true statement about animals?
    a. Fish are a type of vertebrate.   b. Animals make their own food.
    c. Animals are made of only one cell.   d. Vertebrates do not have a spinal chord.

7. Amphibians include
    a. cats and dogs   b. frogs and toads
    c. owls and robins   d. sharks and eels

8. The largest group into which scientists classify living things is a _____.
    a. species   b. order
    c. kingdom   d. class

9. Which of the following vertebrates have hair and give milk for their young?
    a. reptiles   b. mammals
    c. amphibians   d. birds

10. Genus and _____ are the smallest groups into which living things are classified.
    a. order   b. phylum
    c. family   d. species

II. Vocabulary

Choose the correct term from the box on the right for each definition.

_____ 11. The method scientists use
to organize living things

_____ 12. Cold-blooded

_____ 13. Warm-blooded

_____ 14. When an organism can be
cut in half and both sides
have about the same structure.

_____ 15. A characteristic of all vertebrates

a. Bilateral Symmetry
b. Classification
c. Endothermic
d. Ectothermic
e. Spinal Chord

III. Animal Identification

Use a term from the word list to match the description.

_____ 16. A/an _____ has feathers and lays eggs.

_____ 17. A/an _____ begins life in water and spends the rest of
its life on land.

_____ 18. A/an _____ gives milk, has live birth, and fur or hair.

_____ 19. A/an _____ has scales, lays eggs, and lives in arid
climates.

_____ 20. A/an _____ has scales and spends its life in water.

a. reptile
b. mammal
c. amphibian
d. fish
e. bird

IV. Multiple Choice

Choose the best answer for the statement.

21. Which of the following features would be least likely to help you figure out which group
an animal belongs?
    a. if the animal eats plants
    b. if the animal can move on its own from one place to another place
    c. if the animal has a backbone
    d. if the animal is endothermic or ectothermic

22. Animals from which group do not lay eggs?
    a. insects
    b. fish
    c. birds
    d. mammals

23. Which characteristic below is a feature of the reptile group?
    a. breathe through gills   b. hard external skeleton
    c. three body sections   d. internal backbone

24. Out of the following animal groups (fish, mammals, birds, insects, reptiles, amphibians, and arachnids) how many contain members with internal backbones?
    a. 3   b. 5
    c. 1   d. 7

25. Which of the following animals is a reptile?
    a. penguin   b. turtle
    c. frog   d. spider

26. If a member of each of the animal groups fell into the water, which groups would have the highest chance of survival?
    a. fish and bird
    b. fish and reptile
    c. fish and amphibian
    d. fish and mammal

27. Which group of animal is the most common on earth?
    a. reptiles
    b. mammals
    c. insects
    d. birds

28. If a new animal was discovered that spent half of its life underwater breathing with gills and half of its life on land breathing with lungs, which group of animals would it most likely fit into?
    a. insect
    b. mammal
    c. fish
    d. amphibian

29. Which living thing has no internal skeleton?
    a. turtle
    b. dog
    c. locust
    d. catfish

30. Which pair of animal groups below includes animals that do not have backbones?
    a. insects and arachnids
    b. arachnids and mammals
    c. reptiles and birds
    d. fish and insects