Extinct Organisms and Branching Diagrams

Name:

Period:

Use Chapter 11, Section 1 of your textbook to answer the questions below.

Extinct Organisms and Living Organisms (p.336)

1. Living organisms can be placed in the same branching diagram as _____ organisms.

2. _____ are used to identify characteristics of an extinct organism.

3. If an extinct organism has a lot of the same characteristics as a living organism, they are probably closely _____ .

4. _____ organisms will NOT be found at the top of a branching diagram.

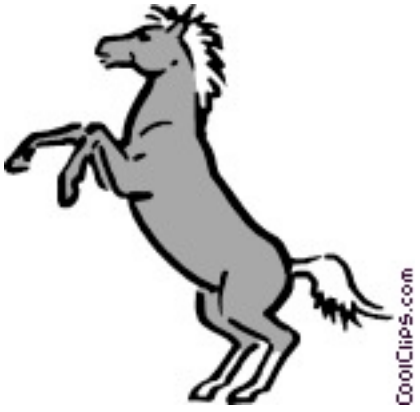
Fossils and Branching Diagrams (p.337)

5. Branching diagrams can show both when an extinct organism _____ and when it became _____ .

6. Sometimes an extinct organism can be on a _____ that is on a direct line to other organisms.

_____ 7. Look at Figure 5. When did *Mesohippus* appear?
- a. in the Pleistocene
- b. in the Pliocene
- c. in the Miocene
- d. in the Oligocene
- e. in the Eocene

_____ 8. Look at Figure 5. When did *Neohipparion* appear?
- a. in the Pleistocene
- b. in the Pliocene
- c. in the Miocene
- d. in the Oligocene
- e. in the Eocene



_____ 9. Look at Figure 5. When did *Paleotherium* go extinct?
- a. at the end of the Pleistocene
- b. at the end of the Pliocene
- c. at the end of the Miocene
- d. at the end of the Oligocene
- e. at the end of the Eocene

_____ 10. Look at Figure 5. Which of the following organisms is not extinct?
- a. *Pliohippus*
- b. *Megahippus*
- c. *Mesohippus*
- d. *Equus*

Work: 6 points