

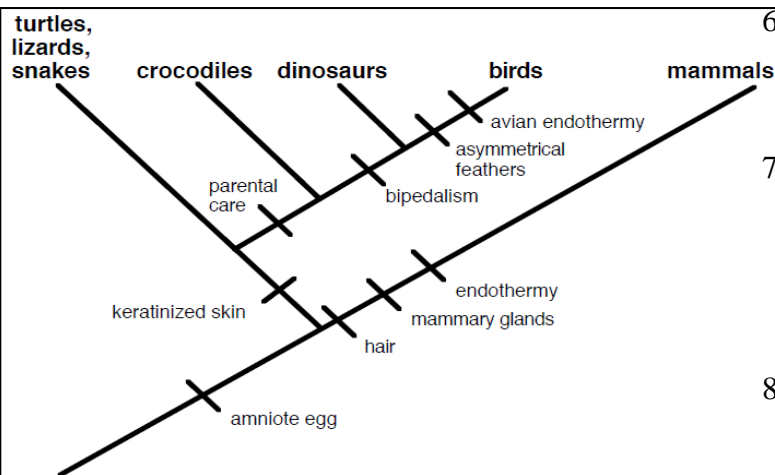
Target Practice, Unit 8 Test, Topic #3 – Classification

1. The science of classifying organisms into groups according to their characteristics and evolutionary history is called _____.
2. The man who developed the binomial system of classification was _____.
Why is the term “binomial” used?
3. The scientific name of the common dog is *Canis familiaris*. Identify the genus and species of the dog.
4. Identify Linnaeus’s 7 levels of classification from most broad to most specific.

5. Use the following dichotomous key to name the following everyday objects

- a. Eraser =
- b. Unsharpened Pencil =
- c. Die =
- d. Small Paperclip =

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|--|---------------|
| 1a. Item is 10 cm or more in any dimension..... | go to 2 |
| 1b. Item is less than 10 cm in any dimension | go to 5 |
| 2a. Item has wooden parts | go to 3 |
| 2b. Item does not have wooden parts | go to 5 |
| 3a. Item has a pointed edge | Widget |
| 3b. Item does not have a pointed edge | go to 4 |
| 4a. Item is flat | Gadget |
| 4b. Item is rounded | Wadget |
| 5a. Item has a spherical shape | go to 6 |
| 5b. Item is not spherical | go to 7 |
| 6a. Item is white in color | Whatnot |
| 6b. Item is not white in color | Fancy Whatnot |
| 7a. Item is a writing instrument..... | go to 8 |
| 7b. Item is not a writing instrument | go to 9 |
| 8a. Item is white in color | Screacher |
| 8b. Item is not white in color | Squealer |
| 9a. Item is partly or completely made of metal | go to 10 |
| 9b. Item does not have metal parts | go to 11 |
| 10a. Item is more than 3 cm in length | Super Duper |
| 10b. Item is less than 3 cm in length | Itsy Bitsy |
| 11a. Item is soft or flexible | Oopsey |
| 11b. Item is not soft or flexible | Cubey |



6. Name five characters possessed by birds.
7. According to the cladogram, which character evolved first: the amniote egg or hair?
8. On the cladogram, circle the point (i.e. node) that represents the most recent common ancestor of crocodiles, dinosaurs and birds.

9. List the defining characteristics for each of the **six kingdoms of life** given below.

Kingdom	Characteristics
Archaeobacteria	
Eubacteria	
Protista	
Fungi	
Plantae	
Animalia	