

Classifying with Cladistics: Part I

Examine all of the coins. Do all of them share a common feature? One feature they share in common is that they are round. Since all of the coins have the “round” feature, mark an “X” in each box in the “round” row.

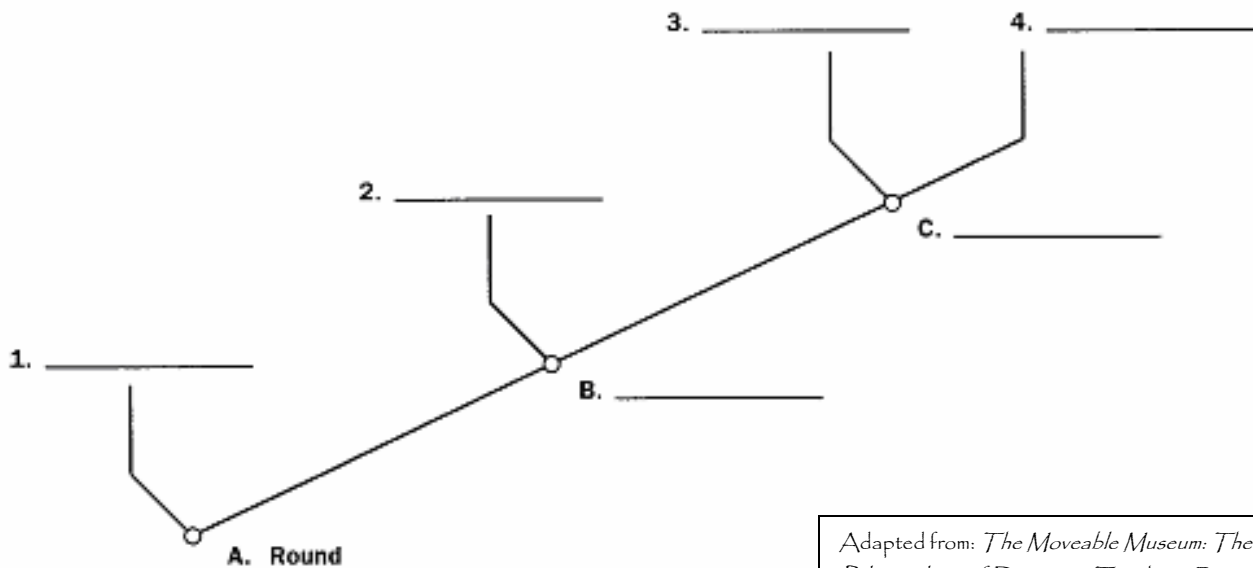
As a team, you and your partner will do the following:

- 1) List a feature that three coins have in common that the fourth coin does not. List this feature next to the letter “B” in the “feature” column.
- 2) Mark an “X” in the columns of the three coins that have feature “B.”
- 3) List a feature that two of the three coins checked have in common that the third checked coin does not. List this feature next to the letter “C” in the “feature” column.
- 4) Mark an “X” in the columns of the two coins that have feature “C.”

	Penny	Nickel	Dime	Quarter
FEATURES				
A. Round				
B.				
C.				

As a class you will translate the data from your table onto the cladogram.

- How do you think you will do this?
- What do you think goes next to letter “B”?
- What do you think goes next to letter “C”?
- What coin will go on line 1, according to **your** data (not the data of anyone else, look in **your** table)?



Adapted from: *The Moveable Museum: The Paleontology of Dinosaurs Teacher's Resource Guide*. American Museum of Natural History, New York, 2002