Student Guide

1. Take a moment to analyze, describe, and name each of the objects you have been given.

2. Among the objects, what similarities do you observe? What differences do you observe?

3. Would you say that some objects are more alike than others? If so, list those objects below and describe their similarities.

4. Construct a cladogram of the objects. Each similarity should be presented as a shared derived character on the cladogram.

5. On a page of blank paper, use the shared derived characters from your cladogram to construct a dichotomous key that would allow another student group to identify the objects. When you have completed your key, trade objects and keys with another student group and attempt to identify their objects by using their key.