

## VIDEO GUIDE FOR BOZEMAN BIOLOGY – CLASSIFICATION OF LIFE

1. What is the goal of modern classification?
2. Why can classifying organisms by their appearance be problematic? What type of evolution can complicate this?
3. What is binomial nomenclature?
4. List the eight levels of classification in order (largest to smallest).
5. What is the full eight level name of the mountain lion?
6. What are the differences between monophyletic, paraphyletic and polyphyletic groups? (look on p542 of your textbook)