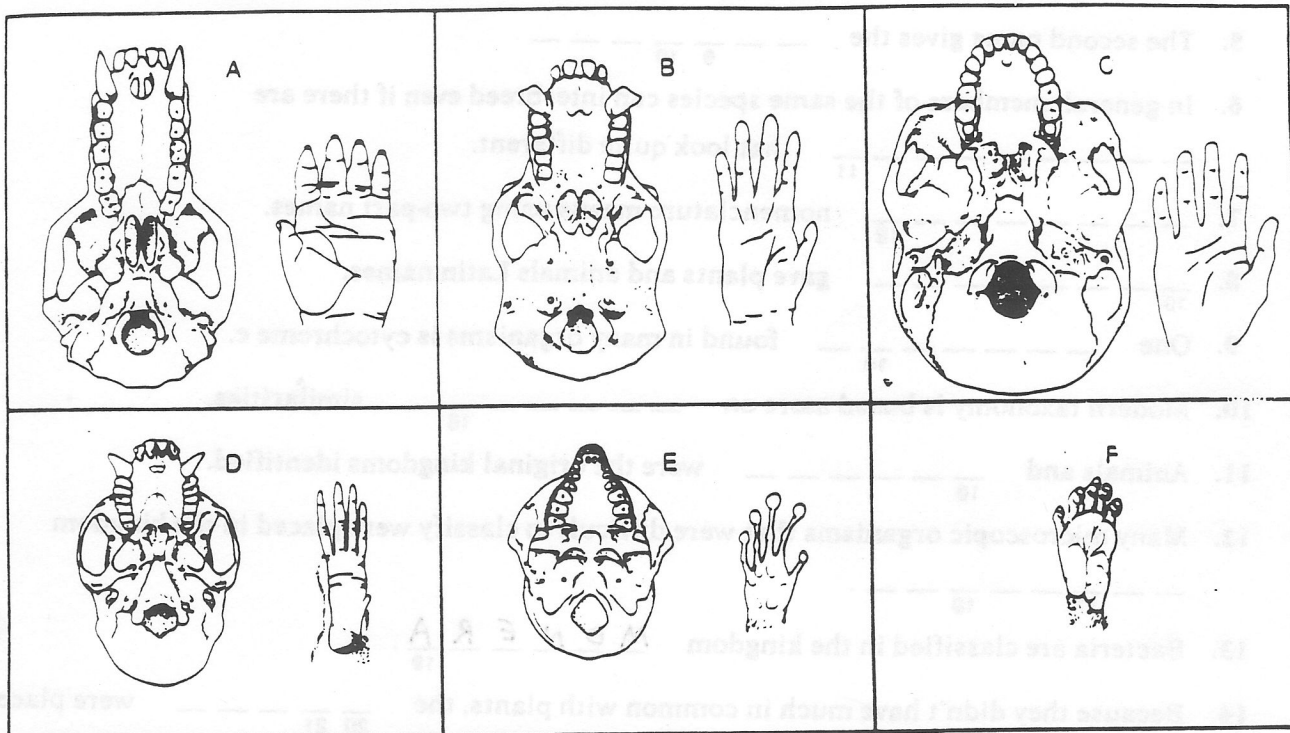


C. SYNTHESIS: USING A KEY TO IDENTIFY PRIMATES

To identify primates, several characteristics are considered, such as structure of the skull, teeth, hands, and feet. Use information from pictures A-F to identify the primates described in the key. Read each step in the classification key to identify each specimen. Write the scientific name of each primate next to the appropriate letter in the data table.

A _____ B _____ C _____
 D _____ E _____ F _____



Primate Identification Key

- 1a Thumb opposable Go to 2
- 1b Thumb missing or only slightly opposable Go to 5
- 2a Has more than 32 teeth *Tarsius spectrum* (tarsier)
- 2b Has 32 teeth Go to 3
- 3a Has predominant canine teeth Go to 4
- 3b Canine teeth not predominant *Homo sapiens* (modern human)
- 4a Canine teeth point forward *Papio hamadryas* (baboon)
- 4b Canine teeth point outward *Pan troglodytes* (chimpanzee)
- 5a Thumb missing *Ateles paniscus* (spider monkey)
- 5b Five digits, thumb not clearly distinguishable *Leontideus rosalia* (golden marmoset)

REVIEW

Fill in the blanks with the correct terms. Note that some letters have numbers beneath them. Transfer the letters on these lines to the matching lines in the statement below.

1. The science of classifying living things is _____₁_____.
2. The major groups of living things are called _____₂_____₃_____₄_____.
3. These groups are divided into PHYLA.
₅ ₆
4. The first name in a Latin binomial name gives the _____₇_____₈_____.
5. The second name gives the _____₉_____₁₀_____.
6. In general, members of the same species can interbreed even if there are _____₁₁_____ that look quite different.
7. _____₁₂_____ nomenclature means using two-part names.
8. _____₁₃_____ gave plants and animals Latin names.
9. One _____₁₄_____ found in many organisms is cytochrome c.
10. Modern taxonomy is based more on _____₁₅_____ similarities.
11. Animals and _____₁₆_____ were the original kingdoms identified.
12. Many microscopic organisms that were difficult to classify were placed in the kingdom _____₁₇_____₁₈_____.
13. Bacteria are classified in the kingdom MONERA.
₁₉
14. Because they didn't have much in common with plants, the _____₂₀_____₂₁_____ were placed in a separate kingdom.

What are two creatures that you wouldn't want to follow you home?

20 9 12 14 18 5 7 17 19 1 3 10 6 2 15 4 13 21 16 8 11