

## San Francisco Zoo Field Trip

The San Francisco Zoo houses many vertebrates, representing several orders, families and species. Go through all the exhibits, making sure you can answer the questions listed below. Signs at the enclosures provide many important facts about the animals, including ranges, classification and habits. This assignment is due no later than May 15, 2004. You can e-mail your write up to me (uy@sfsu.edu)

1. Take note of all the animals you encounter at the zoo. Classify them to their class and order. (Note, you might have to get on the internet to find out the orders of some animals you see).
2. Choose a well-represented mammalian family (e.g., 3 or more species at the zoo like Felidae) and list all the species you find. In addition, list four characters that allow you to distinguish among these species (e.g., allows you to key these animals at the species level -- look at lab exercise 1 for clues on how to do this).
3. The zoo has an excellent lemur exhibit. Write down three key points that distinguish lemurs from other primates.
4. What key characters differentiate old world and new world monkeys?
5. Choose one animal and talk about a unique adaptation it has evolved in response to its natural environment.
6. In terms of mammals, Australia is dominated by marsupials while the rest of the world is dominated by placental mammals. Animals from each region evolved independently, but converged on many forms and functions. List all the marsupials you see at the zoo and list its placental counterpart. For instance, the Tasmanian devil (not at the zoo) is equivalent to wild cats or dogs.