

4) Define and briefly explain the reason for each **treatment** included in your experiment. *(Explain how each comparison of treatments will allow you to isolate the effects of particular variables in order to answer particular questions.)*

5) Briefly describe or sketch out the proposed **experimental design**. *(The design should include details of control, randomization, and replication—see below. The experiment must comply with ethical standards regarding natural populations or communities, individual members of imperiled species, and humane treatment of vertebrate animals.)*

- 6) Sketch a **flowchart** for the experimental procedure (what you will do with each experimental subject).