**Redwoods Field Trip #2**

**Genetics, Adaptation, the Environment & Growth**

Tape this into your lab book. Be sure to bring a pen with you. With your partner, make observations of the redwood forest and use your class notes in order to answer the questions below during the field trip.

1. What type of redwoods do you see here (Coast, Sierra, or China)?
2. Count how many trees you can see in the area:\_\_\_\_\_\_\_\_.
3. Look up at the canopy. Is it thick or do large patches of the sky appear?
4. What are some reasons the canopy is thick or thin, list for each?
5. What other adaptations for survival do you see in these redwoods (list as many as you can)?

Adaptation Used for…

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1. What are the conditions of the environment here that allow these redwoods to survive (review from Semester I; group discussion)?
2. What is the geographic range of the Coast Redwood?
3. How many copies of its chromosomes do redwoods have (from your class reading)?
4. Does this provide for increased diversity (differences) or reduced diversity for the redwoods (discussion)?
5. On the back of this sheet, draw a birds-eye view of this part of the forest showing the locations of the redwoods and Summit Rd.