Explore the Redwood Forest

Step 1: Google “HSU Museum” and click the Natural History Museum - Humboldt State University link.

Step 2: Click the EXHIBITS link on the left, then the REDWOOD FOREST link.

Step 3: Click the REDWOOD FAMILY TREE link and answer the following questions.

1. Do the math! How much taller is the tallest redwood than...
   a. A giant sequoia __________
   b. The Statue of Liberty __________
   c. The United States Capital __________
   d. A dawn redwood __________

2. Check out the dawn redwood information. When and where was it discovered? __________

3. Check out the giant sequoia information. How many groves are there? __________. How many gallons of water do they require each day? __________ How many do humans use each day? __________

4. Check out the redwood information. How many seeds together weigh a pound? __________ How old can they live to be? __________

Create a Key for this map and draw the ranges (as accurately as possible) for both giant sequoias and redwoods.
Step 4: Click the REDWOOD DENDROCHRONOLGY Link

1. What is dendrochronology?

2. What can we learn from the tree ring data collected by dendrochronologists?
   a. ________________________________________________________________
   b. ________________________________________________________________
   c. ________________________________________________________________

3. What is an increment borer?

4. Explain, as best you can, what scientists use crossdating for.

   ________________________________________________________________
   ________________________________________________________________

5. Complete the diagram by labeling and describing the parts of a tree’s internal plumbing.