



Name \_\_\_\_\_ Date \_\_\_\_\_

## EXPLORE THE REDWOODS WEBQUEST

**Step 1:** Click to visit: <http://www.natmus.humboldt.edu>. Click on the "Redwood Forest Online Exhibit"

**Step 2:** Scroll to the REDWOOD FAMILY TREE section and answer the following questions.

Note: Clicking on a section or picture will enlarge it.

1. Do the math! (Hint: subtract) **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 **redwoods** 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 3:** Scroll down to the REDWOOD DENDROCHRONOLGY section

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.

