



## MIGHTY REDWOODS

Redwoods, nature's skyscrapers, are the tallest trees in the world. They can reach more than 350 feet. On average, a redwood lives 500 to 700 years, but some have survived for more than 2,000 years. You can find redwoods on the west coast from southern Oregon to central California.

The trees have small cones when compared to their gigantic size. The cones are about one inch long and produce tiny seeds, which are about the same size as a tomato seed.

Redwood bark is about one foot thick and contains tannin, which provides protection against fire, insects, fungus, and disease.

The root system of a redwood is shallow and extends more than one hundred feet from the base of the tree, intertwining with the roots of other redwood, which increases their stability during strong wind and floods.



### QUIZ

1. Redwoods can reach more than \_\_\_\_\_ feet.

- A. 200
- B. 350
- C. 100

2. Redwood bark is about one foot thick and contains \_\_\_\_\_, which provides protection against fire, insects, fungus, and disease.

- A. Tannin
- B. Oil
- C. Glucose

3. Redwood cones are about one inch long and produce tiny seeds, which are about the same size as a \_\_\_\_\_ seed.

- A. Pumpkin
- B. 8 to 10
- C. Tomato

4. Construct an argument that redwoods have internal and external structures that function to support survival, growth, behavior, and reproduction.

### NEXT GENERATION SCIENCE STANDARDS CONNECTION

4 – Structure, Function, and Information Processing | Systems and System Models