

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

## Crater Lake

Crater Lake formed after the massive eruption of a volcano approximately 7700 years ago. Following the eruption, the top part of the volcano collapsed forming a deep basin or caldera. This depression slowly filled with water and created Crater Lake. The lake is 1932 feet deep, making it the deepest lake in the United States.

Crater Lake is located at an elevation of 1882 meters (6176 feet) in the Cascade Range of Oregon. The rim of the volcano reaches a height of 2455 meters (8054 feet) at Garfield Peak (P29).

The Crater Lake area receives an enormous amount of snow each year, with a yearly average of 13.4 meters (44 feet). The snow depth at the park's headquarters has reached over 6 meters (20 feet). Crater Lake and its surroundings became the country's fifth national park in 1902.

1. There are no out-flowing streams carrying water away from Crater Lake. What are two ways that water leaves the lake? \_\_\_\_\_

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2. The fresh water of Crater Lake contains rainbow trout and salmon. If we assume that Crater Lake has never had any out-flowing streams, how could these fish have gotten into the lake? \_\_\_\_\_

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3. Describe how Wizard Island (C22) might have formed. \_\_\_\_\_

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4. This view shows approximately one third of the nearly circular lake. What is the approximate diameter of the lake? \_\_\_\_\_

(Continued...)

5. If this volcano had erupted in Arizona, in what ways might the lake look different today? \_\_\_\_\_  
\_\_\_\_\_
6. Even though the area around Crater Lake withstands long and severe winters, the water in Crater Lake has not frozen over since 1949. Why doesn't the lake freeze more often? \_\_\_\_\_  
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7. What are the linear features on the inside of the rim at G15 and how did they form? \_\_\_\_\_  
\_\_\_\_\_
8. Why does this area of western Oregon receive so much precipitation? \_\_\_\_\_  
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\_\_\_\_\_