



HOW MUCH WATER?

Completion Time

1 Hour

Materials

1. Globe or map of the Earth
2. Apple
3. Knife

PROCEDURE

1. Look at a globe or a map (photo) of the Earth. Observe how much of the Earth is covered in water. Discuss how much of the planet is covered in water and how much of that water is usable.
2. Show students the apple. Tell them that this apple represents the Earth. Cut $\frac{1}{4}$ of the apple out and indicate that this represents all of the water found on the Earth as saltwater and freshwater.
3. Hold up the $\frac{1}{4}$ piece of apple to the students. Ask them if they think this piece represents fresh water. No!
4. Cut the quarter section in half and then in half again making $\frac{1}{16}$ of the total apple.
5. Very carefully, cut in half again making $\frac{1}{32}$ of the total apple. Show the students and ask if they think that there is this much fresh water available. No!
6. Peel the skin of this $\frac{1}{32}$ slice. This apple peel represents the amount of fresh water available.

