

# Sedimentation Bottle

## Materials



Empty plastic bottle with cap



Water



Various types of soil

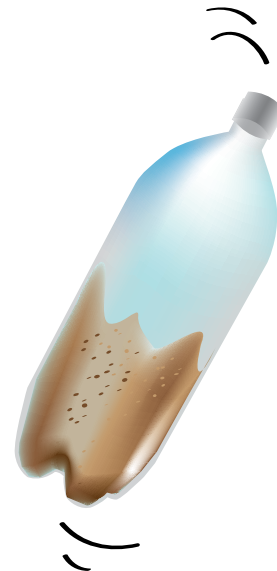
## Activity



1. Pour soil and water in the empty bottle.



2. Close the bottle tightly.



3. Shake the bottle several times.



4. Observe what happens next.

## Explanation

When you stop shaking, the sediments will settle down slowly. Time by time, a thin layer of soil will develop. The various types of soil will settle down to the bottom of the bottle because of gravity. As they went down, the heaviest sediment will settle first followed by lighter ones. Some rocks on earth are formed by sedimentation. We call these "sedimentation rocks." Most oil can possibly be found in these rocks.