

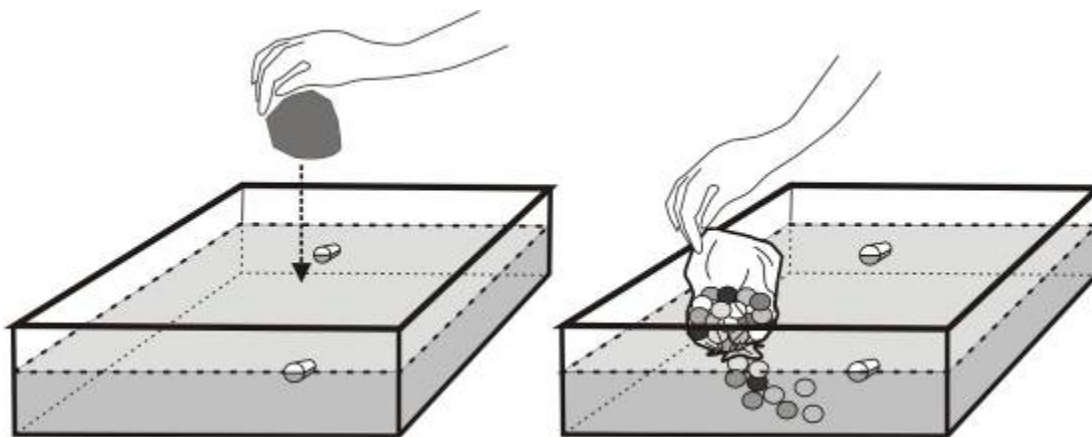
## Tsunamis activity 2: **Tsunami demonstration**

**Description:** A short lab demonstration of tsunami waves. This activity could be combined with the lesson portion of Activity 1.

**Materials:** large basin of water  
wax crayon  
several corks  
rock to represent a meteorite  
bag of marbles

### Teacher instructions and notes:

1. Fill a large basin with water to half its depth. Draw a line around the inside of the container at water level to represent 'sea level'. Float several corks in the water. Corks help to show the wave motion.
2. To simulate a tsunami caused by a meteorite landing in the ocean, drop a rock into the basin and watch the ripples (tsunami waves) move outward from the impact site.



3. To simulate a tsunami caused by a landslide, hold the mouth of a bag full of marbles at water level. Quickly release the marbles into the water, simulating the submarine movement of a landslide.
4. It is harder to simulate an earthquake, but sharply hitting the basin can create a wave that will slosh up on one side of the basin.
5. Have the students observe the simulation or simulations.
6. Divide the students into small groups and allow them to produce their own tsunamis. Have the students draw the waves that are generated in their experiment and summarize their observations in a brief written or oral report.