

Craters On The Earth?

Materials

- Moist sand
- A shallow baking dish
- A marble
- A golf ball



Procedure

1. Put the sand into the baking dish at least 2 inches deep and smooth out the surface.
2. Hold one ball at a time about six inches above the sand and drop it, allowing it to make an impression. Remove each ball carefully. Measure the width and depth of each impression and record it.
3. Now repeat the above step three more times, increasing the distance the balls are dropped from by about 2 inches each time. Record the widths and depths of each impression made.
4. Compare the measurements you have taken. Does an object falling from farther away make a wider impression, a deeper impression, or both?

We all know the moon is covered in craters, but the earth also has several notable craters. The most significant crater in the US is in Arizona. Scientists think a large chunk of rock from space crashed to the earth and made this huge impression about 20,000 years ago.

