

CRATERS



You'll need:

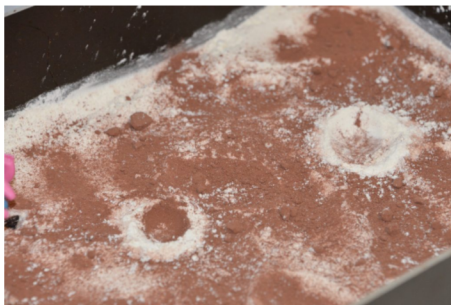
Shallow metal tray

Plain White flour

Drinking Chocolate

Marbles and small balls

Ruler



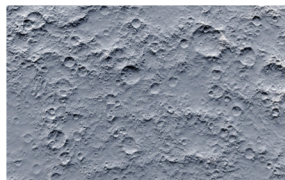
Instructions

Fill the tray about 2cm deep with flour and lightly sprinkle the surface with drinking chocolate to cover the entire surface of the flour.

Drop the marbles (asteroids) into the pan from the same height.

Make craters using different size balls .

Measure and record the size of crater for each ball.



What happens?

Notice how the soil below the surface (white flour) is brought to the surface.

If two of the same size marbles are dropped from different heights, the marble which has furthest to fall will make the biggest crater as it has the most energy.

What is a crater?

A crater is a bowl-shaped depression formed by the impact of a meteorite, volcanic activity, or an explosion.