

CREATING CRATERS



You'll need

A shallow metal pan or tray

Plain white flour

Cocoa powder

Ruler

Marbles or small balls



Instructions

Fill the tray about 2 cm deep with flour, and lightly sprinkle the cocoa powder over the top to cover the entire surface.

Drop the marbles into the tray. The marbles represent crashing asteroids and comets.

Create craters using different size balls and marbles.

Measure and record the size of the crater for each ball.



Notice how the marbles make craters in the tray. The soil below the surface (white flour) is brought to the surface.

If two marbles that are the same size are dropped from different heights, the marble which has the 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.

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