

Clangers™

MAKING MOON CRATERS!

LIKE THE CLANGERS PLANET, THE SURFACE OF THE MOON HAS MILLIONS OF CRATERS. SOME ARE JUST A FEW METRES LONG AND SOME HUNDREDS OF KILOMETRES! THIS ACTIVITY DEMONSTRATES HOW CRATERS CAN FORM.



1

GATHER ALL YOUR MATERIALS

YOU WILL NEED:

- DIFFERENT SIZED MARBLES OR BILLS
- DRINKING CHOCOLATE POWDER
- A MEDIUM SIZED TRAY
- FLOUR



2

FILL THE TRAY ABOUT 2 CM DEEP WITH FLOUR AND LIGHTLY FLATTEN THE SURFACE. NOW SPRINKLE SOME CHOCOLATE POWDER OVER THE FLOUR SO IT COVERS THE ENTIRE SURFACE.



3

DROP A MARBLE INTO THE TRAY, OBSERVING THE SIZE AND SHAPE OF THE CRATER YOU'VE CREATED!



Cangers™



4

TRY DROPPING DIFFERENT SIZED MARBLES AND BALLS INTO THE TRAY AND COMPARE THE DIFFERENCE IN SIZE AND DEPTH OF THE CRATERS.

5

SEE IF YOU CAN PREDICT THE SIZE OF THE CRATER IF YOU DROP THE SAME MARBLE FROM DIFFERENT HEIGHTS.

6

IF YOU DROP THE SAME MARBLE FROM DIFFERENT HEIGHTS, THE ONE THAT HAS FURTHEST TO FALL WILL BE LARGER. IT HAS MORE ENERGY, MAKING THE CRATER BIGGER!

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