



Crater Challenge Card 2

The Space Agency would like you to find out whether different kinds of meteorite make different kinds of craters.

Helpful Hints

Try dropping the 'meteorites' into sand.

Questions

If the 'meteorite' lands on damp sand instead of dry sand, is the crater different?

What happens to the crater when the 'meteorite' is dropped from a great height?

Crater Challenge Card 1

Look carefully at the image of Tooting Crater on Mars. Can you make craters?

Helpful Hints

You could try using marbles or balls as meteorites!

You could make one of these to measure how deep the craters are.

Crater Challenge Card 3

The Space Agency would like you to test dropping meteorites on different surfaces.

Helpful Hints

You could try dry flour with a thin coating of chocolate powder on top, like Mars' dry, rusty surface.

Questions

What happens to the surface and the layer below when the 'meteorite' lands?

What happens when the 'meteorite' lands on mud?

Crater Challenge Card 4

The Space Agency would like you to find out whether the size or weight of a meteorite can affect the crater made.

Helpful Hints

Try 3 different sized balls of different weight.

Questions

Is there a link between the size of the 'meteorite' and how wide and deep the crater is?

Is there a link between the weight of the 'meteorite' and the diameter and depth of the hole made?