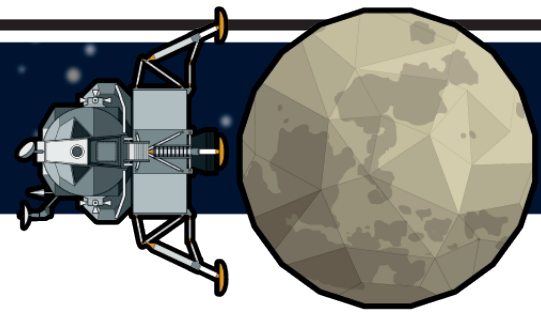


# 2.2 IMPACTS AND CRATERS



Today you are going to investigate craters and how they are made. You will do this by dropping balls from different heights onto a flour and cocoa Moon surface.

## YOU WILL NEED

- 1 tray of flour
- 1 cup of cocoa powder
- Tea strainer
- Marble/ball bearing
- Metre rulers or tape measure
- Ruler

Listen to your teacher demonstrate the experiment that you are going to do.



## PREDICTION

Write below what you think the link will be between the height that you drop the ball from and the crater size.

What do you think happens to the speed of the ball when it hits the flour as you drop it from a bigger height?

## RESULTS

Height dropped from (cm)	Crater size (cm)

Did your results agree with your prediction? Explain your answer.

What else do you think would affect the size of the crater?