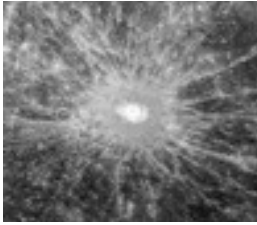


# Crater experiment



Craters cover the surface of many planets and moons.  
Model crater formation by dropping a marble into flour with a covering of dark powder.

1. What is the diameter of the marble? \_\_\_\_\_

2. Record the diameter of the crater for at least two drop heights:

Drop height	Crater diameter
(low)	Trial 1:  Trial 2:
(medium)	Trial 1:  Trial 2:
(high)	Trial 1:  Trial 2:

3. If time, throw the marble at an angle to see what it does to the ray pattern.

Draw it: