

How are the Moon's Craters Formed?

You will need:

- Cake tin
- Flour
- Hot chocolate powder
- Rocks

1. Fill a cake tin with about an inch of flour.
2. Use a sieve to add a thin layer of hot chocolate powder.
3. From a height, drop different sizes of rock and watch the craters form!



What do you notice about different sized rocks dropped from the same height?



What do you notice about the same size rock dropped from different heights?

What happens if you throw the rock at an angle?



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Craters are formed when rocks hit the moon. These collisions also cause 'ejecta patterns' which are the lines coming from the craters which you can sometimes see on a clear night. As your rocks hits your 'moon surface' you will see the crater and ejecta patterns which will be different for different sized rocks. Throwing your rocks at an angle will also cause changes to your ejecta patterns.