

Mission to the Moon!

Scientists can learn a lot about the Moon by looking closely at Moon rocks and by measuring Moon craters. Some Moon craters are very deep and miles wide, while other craters are small and shallow. Why?

One of Snoopy's missions in *Snoopy in Space* is to measure a large Moon crater. Today you will measure craters in your classroom with a cake-pan Moon surface and three rocks. Use the boxes to draw what you see after each test. Smooth out each crater with a spoon before the next test.

TEST 1

Raise the largest rock up high over your head. Drop it directly onto your Moon surface. Draw what you see. Then use the ruler to measure how deep and wide your impact crater is.

_____ cm deep _____ cm wide

TEST 2

Choose a smaller rock. Gently toss it into the pan from the side. How does this crater look different from the first one? Draw what you see. Then use the ruler to measure how deep and wide your impact crater is.

_____ cm deep _____ cm wide

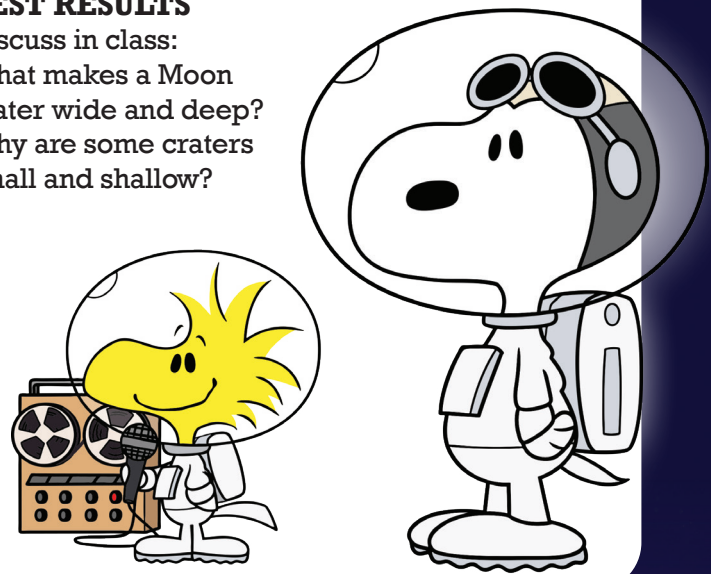
TEST 3

Drop your last rock from the height of your nose. How does this crater look different from the first two tests? Draw what you see. Then use the ruler to measure how deep and wide your impact crater is.

_____ cm deep _____ cm wide

TEST RESULTS

Discuss in class:
What makes a Moon crater wide and deep?
Why are some craters small and shallow?



Did you know? Craters are holes made when a space rock hits a larger object, like the Moon. What happens when Snoopy and Woodstock fall into a crater on the Moon? Find out by watching *Snoopy in Space* on AppleTV+, on the Apple TV app, or via apple.co/snoopyinspace.

Families: Look at the Moon on a clear night. Can you see craters? If you have a telescope, take a closer look, and then help your child report to class on the details you saw.