

Student Link


Lesson Activity for Grade 6

(*Science*: Windows to the Universe: Moon)

Student Name: _____

INSTRUCTIONS

There are a lot of satellites orbiting the Earth, but do you know what the largest satellite of them all is? This lesson takes a closer look at the Earth's biggest satellite, the **Moon**.

1. Starting from the Grade 6 StudentLink menu, click on **"Science"**.
 2. Next, click on **"Windows: Universe"** under the "Sky and Space" column.
- Then click on  and then **"Moon"**.



How big is the moon and what is the size of its gravity?

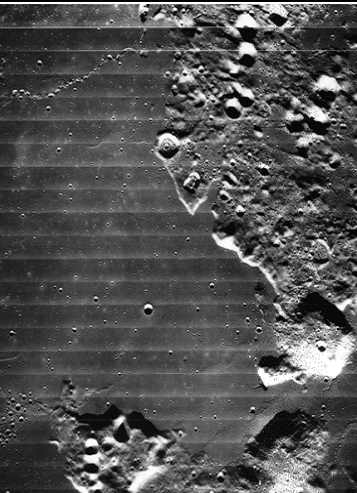
Why would the astronauts footprints from the Apollo moon missions remain on exactly as they are for thousands of years?

What is the moon made up of?

Why is the moon like a mirror?



3. Click on [two basic types of regions](#). Can you list the two basic types of regions and some of their characteristics?



Region 1:

Region 2:

The rocks on the moon are very old. Where can earth rocks that are just as old be found on Earth?

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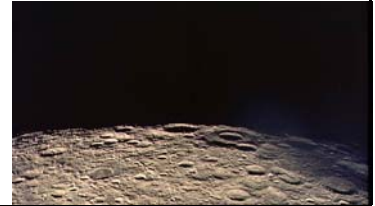
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4. So how did the moon end up looking the way it does now? Click on [history](#) at the bottom of the description.

Where on the moon do scientists feel is the most representative of how it looked billions of years ago?

_____ flows filled in craters left by the last large asteroids to hit the moon about _____ to _____ billion years ago.

Why do you think so many asteroids and debris would have hit the moon so many billions of years ago?



5. Let's continue on with our history of the moon and find out more about how it formed. Click on the second link in the first paragraph: [rained down](#).

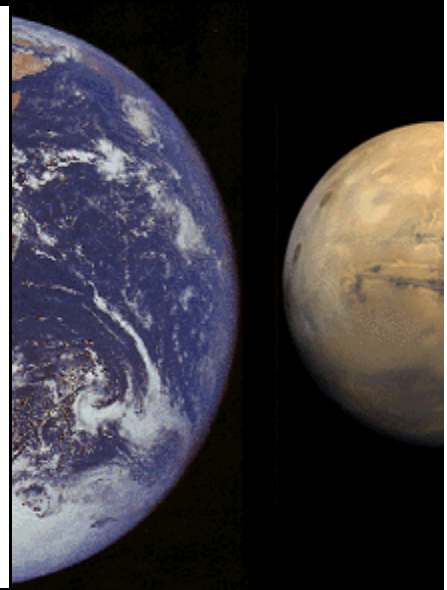
List and describe the three theories about the moon's creation:

- 1.
- 2.
- 3.

The moon finished forming _____ billion years ago.

What is a **planetismals**?

Describe what the **Period of Late, Heavy Bombardment** is.



Read about the three different theories of how the moon was created by clicking on the links. Which theory do you think best describes the creation of the moon? (when you're finished, hit the back button to the "**Formation of the Moon**" page)

So let's sum up everything we know now about the moon. Click on [we know](#) and read the bullet points. List below three things about the moon you learned today that you didn't know before:

- 1.
- 2.
- 3.