My Moon Review Book

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Division: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Lunar Landing**

The Apollo \_\_\_\_\_\_\_\_ mission landed on the Moon on \_\_\_\_\_\_\_\_\_\_\_\_. Three astronauts went to the moon, but only two got to step on the lunar surface. \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was the first man on the moon. His famous quote “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” was heard by millions of people around the world. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was the second man on the moon and \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ piloted the shuttle that orbited the moon. There have been a total of \_\_\_\_\_\_\_\_\_\_\_\_ men on the moon. The last mission to the moon was in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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**The Moon’s Formation**

There were 3 theories on how the Moon formed which have been disproven over time; the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ theory, the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ theory, and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ theory. The most recent theory on how the moon formed is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ theory.

We know that the Earth formed \_\_\_\_\_\_\_\_\_\_ billion years ago. At this point, scientists believe there was an extra planet between Earth and Mars called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. At about \_\_\_\_\_\_\_\_\_\_ billion years ago, this planet \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with Earth throwing huge amounts of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into space. Some of the planet’s materials merged with our planet to make Earth II. Some of the material coalesced to make our only natural satellite, the \_\_\_\_\_\_\_\_.

*Include a picture*

**Moon Phases**

The moon shines because it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the sun’s light. From Earth we see different amounts of the Moon’s lit surface because of its location on its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The amount we see from Earth is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The shape of the moon, however, does \_\_\_\_\_\_\_\_\_\_\_\_ really change. There are 8 phases of the moon: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Each phases lasts for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ days. It takes a total of \_\_\_\_\_\_\_\_\_\_ days for the moon to orbit Earth. It takes the same amount of time for it to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as well, which means that the same side is always facing Earth. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the Latin name for the Moon.

*Include a Picture*

**Eclipses**

An eclipse happens when the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** moves into a position of **direct alignment with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.** There are two basic types of eclipses – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ eclipse is when the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Moon passes through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of the Earth. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ eclipse is when the \_\_\_\_\_\_\_\_\_\_\_\_ Moon passes directly between the \_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_. Eclipses do not occur every month during a new Moon or a full Moon. This is because the orbit of the Moon is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by about five degrees compared to the Earth’s orbit, so that usually the Moon passes slightly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or\_\_\_\_\_\_\_\_\_\_\_\_\_ the line between the Sun and the Earth. Only about every \_\_\_\_\_\_\_\_\_\_\_ months, during an eclipse season, are the conditions right for a lunar or solar eclipse.

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**Tides**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are the regular rising and falling of the sea. There are about \_\_\_\_\_\_\_\_ high tides and \_\_\_\_\_\_\_\_ low tides a day. Tides are caused by the gravitational pull of the \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ on Earth. The Earth rotates once every \_\_\_\_\_\_\_\_\_\_\_ hours which means that the places on the Earth where there are HIGH and LOW tides are always changing. Each tide takes approximately \_\_\_\_\_\_\_\_\_\_\_\_\_ hours to change from High to Low or Low to High. Although the \_\_\_\_\_\_\_\_\_ is larger than the Moon, it is \_\_\_\_\_\_\_\_\_\_\_\_ away from the Earth, which means that it has \_\_\_\_\_\_\_\_\_\_\_\_\_ effect on our tides. Very high and low tides caused by the sun and moon being lined up are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. These happen during a \_\_\_\_\_\_\_\_\_\_\_ moon and a \_\_\_\_\_\_\_\_\_\_\_\_ moon. When the Sun, Earth and Moon are at \_\_\_\_\_\_\_\_\_\_\_\_ angles to each other, the gravitational pull from the Sun and Moon cancel out creating very even tides called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. These happen during a \_\_\_\_\_\_\_\_\_\_\_ moon and a \_\_\_\_\_\_\_\_\_\_\_\_ moon.

*Include a Picture*

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| **Rubric for Grading: SELF SCORE** | | | |
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| Text | All text is filled and information is correct | All text is filled in with some errors | Not all text is complete and/or there are too many errors to score |
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