

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

Hour: \_\_\_\_\_

### The Moon

- 1) The moon takes \_\_\_\_\_ days to revolve once around the Earth and rotate once on its axis.
- 2) The moon takes \_\_\_\_\_ days to complete one Lunar Cycle
- 3) From Earth we always see the same side of the moon because the moon has the same period of \_\_\_\_\_ and \_\_\_\_\_.
- 4) Why does the moon not have an atmosphere?

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- 5) What is the theory behind the formation of the moon?

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Use the images of the moon below to write the moon phase and the letter of the picture that matches each description.

- 1) \_\_\_\_\_ When the Moon is roughly in the same direction as the Sun, its illuminated half is facing away from the Earth, and therefore the part that faces us is all dark: When in this phase, the Moon and the Sun rise and set at about the same time. This is also the phase where a solar eclipse can occur.
- 2) \_\_\_\_\_ A week after the new moon, when the Moon has completed about a quarter of its turn around the Earth, we can see half of the illuminated part.

- 3) \_\_\_\_\_ Two weeks after the new moon, the moon is now halfway through its revolution, and now the illuminated half coincides with the one facing the Earth, so that we can see a full disk. During this phase the Earth passes between the sun and moon. If the Moon happens to align exactly with the Earth and Sun, then we get a lunar eclipse.
- 4) \_\_\_\_\_ As the Moon moves around the Earth, we get to see more and more of the illuminated half, and we say the Moon is waxing. At first we get a sliver of it, which grows as days go by.
- 5) \_\_\_\_\_ Finally, during the fourth week, the Moon is reduced to a thin sliver from us.
- 6) \_\_\_\_\_ From now on, until it becomes new again, the illuminated part of the Moon that we can see decreases, and we say it's waning.
- 7) \_\_\_\_\_ During the next week, we keep seeing more and more of the illuminated part of the Moon.
- 8) \_\_\_\_\_ Three weeks after new, we again can see half of the illuminated part. This is the last quarter of the cycle of the moon phases.

