**Moon Facts**

* The earth’s only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The moon is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ miles in diameter, slightly more than \_\_\_\_\_\_\_\_\_\_ the diameter of Earth
* Gravity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the earth
* No meaningful \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, just trace amounts of hydrogen, helium, neon and argon.

**Moon’s orbit**

* The orbit period around the earth - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ days
* The spin period is exactly the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!
	+ This is why we always see the same side of the moon!

**Formation**

* Giant impact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ An impact of a Mars-sized body collide with the proto-Earth and ejected materials to orbit around the earth – the Moon

**Maria**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (mare, “sea” in Latin)

* Dark areas and were thought to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Cover \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the near side, but only \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the far side
* No water but vast pools of solidified lava that flowed into basins formed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ colliding
* Highland
	+ Lighter color regions, or called Terrae
* Different brightness of the highlands and maria is because they are composed of different \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

**Craters**

* Formed when \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/comets hit the lunar surface
* Half a million craters with diameters larger than 1km
* Crater counting – to estimate the \_\_\_\_\_\_\_\_\_\_\_\_ of the lunar surface

**Moon Phases**

* Why does the moon change phases?
* Lunar phases are the result of our eyes seeing the illuminated half of the Moon from different viewing \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Due to the Moon’s orbital positions