“The Moon” Research Assignment (hand in)

Directions: Please complete the following questions regarding the moon. Use the website **solarsystem.nasa.gov/moon** to answer the questions. Use your phone or a laptop. This assignment will be handed in for marks.

1. Please fill out this table comparing the earth, the moon, and another moon of your choice (use website’s by the number section to answer these questions). Set Unit of measure to metric.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Moon | Earth | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Average orbit distance |  |  |  |
| Surface area |  |  |  |
| Mean Orbit Velocity (speed) |  |  |  |
| Size compared to Earth’s moon | N/A |  |  |
| Orbit Eccentricity |  |  |  |
| Discovered By |  |  |  |

1. How was the moon likely formed?
2. What is the Latin name for moon?
3. What is “Synchronous Rotation” and how does this affect our view of the moon from earth?
4. Please fill out this table on the structure of the Earth’s moon (use website’s “in depth” section to find this information)

|  |
| --- |
| The Structures of Earth’s Moon |
| Name of structure |  |  |  |
| Radius or thickness (km’s) |  |  |  |
| Metals or minerals in structure  |  |  |  |

1. What is the name of the moon’s atmosphere? Does it protect it from meteoroids?
2. Describe what a lunar eclipse is
3. a) Using a pencil, pencil crayon or marker, please shade or colour the corresponding phase of the moon cycle

b) Please label each phase with the nearest date of this current moon cycle (use the lunar phases and eclipses section of the website)

c) Please label each phase **IN ORDER** from 1-8

