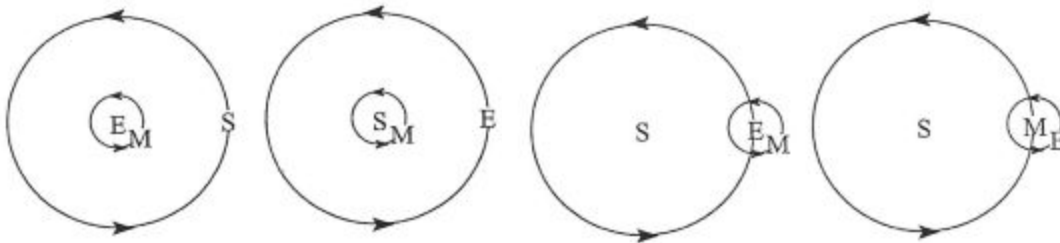


Name _____ Date _____ Hour _____

| | |
|----------------|----------------|
| Got It! | Not Yet |
| 20-15 | 14-0 |

Astronomy #4 – Moon Characteristics Practice

1. Our Moon orbits around Earth making it a natural _____ (*probe, satellite, shuttle*)
2. The distance from the Earth to the Moon is _____ (*decreasing, staying the same, increasing*) over time.
3. The Moon is similar to the Earth because it _____ (*rotates, revolves, both rotates AND revolves*)
4. The Moon takes _____ (*24 hours, 27.3 days, 27.3 hours*) to complete one full rotation.
5. The Moon's revolution around the Earth takes _____ (*24 hours, 27.3 days, 27.3 hours*).
6. Place a box around the illustration showing the correct orbital relationships between the Sun (S), Moon (M) and Earth (E).



Use the words larger (L) or smaller (S) to compare the Moon to the Earth.

6. _____ The Moon's force of gravity compared to Earth's
7. _____ The Moon's magnetic field compared to Earth's
8. _____ The Moon's size compared to Earth.
9. _____ The Moon's rotational time compared to Earth.
10. _____ The Moon's atmosphere compared to Earth.
11. What is a moon crater?

12. Give at least two reasons for so many craters on the Moon?

13. Explain why we always see the same side of the Moon.

Moon Crater Investigations - Use your design and investigation to help you answer the following questions.

14. How many different factors can you test (vary) during your investigation? _____

Explain your reasoning?

15. What were two measurements, including units, taken during your Moon Crater Investigation?

16. Which of the two measurements above was used as evidence to support your claim?

17. What were two controls (factors that were kept the same) used throughout your investigation?

18. What type of graph best represents the effects of mass or diameter on crater size?

19-20. In order to be a "Fair Test", a minimum of how many trials should be conducted during an investigation? _____ Give an explanation of why.