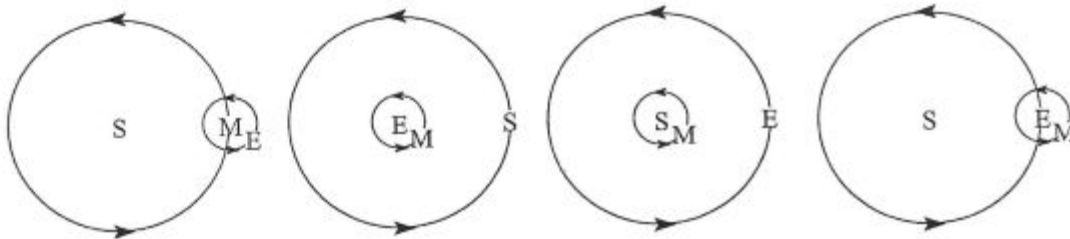


Name _____ Date _____ Hour _____

Astronomy #4 - Moon Characteristics Practice ALTERNATE

Got It!	Not Yet
20-15	14-0

1. Our Moon is a natural _____ (*probe, satellite, shuttle*) to Earth.
2. The moon is inching _____ (*away from, towards*) Earth a distance of approximately 4 cm per year.
3. How long is one lunar rotation? _____ (*24 hours, 27.3 days, 27.3 hours*)
4. How long is one lunar revolution? _____ (*24 hours, 27.3 days, 27.3 hours*)
5. The Earth and Moon are similar for the fact they both _____ and _____ in their orbit.
6. Place a box around the illustration showing the correct orbital relationships between the Sun (S), Moon (M) and Earth (E).



Compare the Moon to Earth for the following characteristics using the terms:

Greater than Earth's, Same as Earth's or Less than Earth's

7. Force of Gravity -
8. Magnetic Field -
9. Atmosphere -
10. Define a crater.

11. How are Impact craters on the moon created?

12-13. What two reasons can you give for the different sizes of craters found on the moon?

14. Do we see all sides of the moon? Why or why not.

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

15. Why is it important to test (vary) only one factor that would impact crater sizes on the moon?

16. What was one measurement taken during your Moon Crater Investigation that was the **same** for every trial?

17. What was one measurement taken during your Moon Crater Investigation that may have been **different** for every trial?

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

19. Three trials are necessary for any investigation to be considered a "Fair Test". Why not 1 or 2 ?

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