Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_\_\_ Ast: \_\_\_\_\_

**THE MOON’S EFFECT ON EARTH**

1. **VOCAB** 
   1. Lunar:
   2. Orbit:
   3. Revolution:
   4. Rotation:
   5. Moon Phases:
   6. Eclipse:
   7. Tide:
2. **THE MOON’S ORBIT**
3. What does it mean that the Moon is “tidally locked” to Earth?

1. How does the Moon’s rotation compare to its revolution around Earth?
2. How far is the Moon’s orbit tilted from that of the Earth around the Sun?
3. What shape is the Moon’s orbit?
4. Where is the Earth located in relation to the Moon’s orbit? (draw a picture)
5. **MOON PHASES**
6. What do we see when there is a “new moon”?
7. Define the following terms related to the moon’s phases:
   1. Waxing –
   2. Waning –
   3. Crescent –
   4. Gibbous –
   5. Quarter –
   6. Full –
8. **ECLIPSES**
9. Where is the Moon in relation to the Sun and the Earth during a SOLAR ECLIPSE?
10. What happens during a SOLAR ECLIPSE?
11. Where is the Moon in relation to the Sun and the Earth during a LUNAR ECLIPSE?
12. What happens during a LUNAR ECLIPSE?
13. **TIDES**
14. What causes the ocean tides on Earth?
15. Where is high tide?
16. Where is low tide?