**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 22 Review**

1. **Which astronomer first estimated the size of earth?**
2. **What was the first astronomical tool used to track the position of the sun called?**
3. **Which ancient Greek FIRST said earth was round?**
4. **Which model of the solar system proposed that earth was in the center with everything revolving around it?**
5. **What is the heliocentric model?**
6. **In the geocentric model, how was earth described?**
7. **What is retrograde motion?**
8. **Which model of the universe did Ptolemy use?**
9. **Which astronomer first concluded that earth was a planet that revolved?**
10. **What do planets orbits look like?**
11. **What are Kepler’s 3 laws of planetary motion?**
12. **What is an AU and what does 1 AU equal?**
13. **What were Galileo’s 5 important discoveries?**
14. **Since Jupiter has satellites, what does this prove about the model of the solar system?**
15. **Does gravitational force decrease or increase with distance?**
16. **What are the three motions of the earth?**
17. **What is meant by mean solar day?**
18. **What is meant by mean sidereal day?**
19. **When is earth closest to the sun?**
20. **What is the angle of the plane of the ecliptic?**
21. **What is it called when there is an equal amount of daylight as darkness in day?**
22. **What is it called with there is more sunlight than any other day of the year?**
23. **What does moon’s orbital path look like?**
24. **What is the point called where the moon is farthest from the earth?**
25. **How much of the moon’s surface is lit at all times?**
26. **What is it called when a moon is “growing”?**
27. **What is it called when the moon is in between the earth and sun, and it looks like there is no moon?**
28. **Name and draw the phases of the moon in order starting with a new moon.**
29. **Predict AND NAME the next moon in the following sequences:**

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1. **When will a solar eclipse occur?**
2. **When will a lunar eclipse occur?**
3. **What is a crater?**
4. **What caused most of the craters on the moon?**
5. **What is maria?**
6. **What kind of rock is formed after magma cools into craters?**
7. **What is regolith?**
8. **How old is the moon?**
9. **What are the three steps that formed the moon?**