**Summative Assessment #2**

**Moon, Sun and Early Astronomy**

**Thursday 10-19-17**

1. **When we did take photos of the Far Side of the moon on the Apollo missions we saw that it was much rougher then the side that faces the Earth.**
2. **The sun produces energy through nuclear fusion, fusing two hydrogen atoms into one helium.**
3. **A Solar Flare can greatly increase the Solar Winds coming from the sun, streams of energy that can disrupt communications.**
4. **Inertia is the tendency of a moving object to stay moving and a stationary object to stay STOPPED.**
5. **GEOcentric is an ancient model of our “system of planets” that puts Earth at the center of EVERYTHING.**
6. **Sunspots on the sun’s surface are darker in color because they are COOLER and give off LESS light.**
7. **You take a Photograph of the Photosphere of the Sun, It’s the layer that gives off light.**
8. **A balance between Gravity and Inertia gives us Orbit.**
9. **Solar Prominences are huge loops of “GAS” that link areas of sunspots on the Sun’s surface.**
10. **We know the moon has cooled completely due to the instrumentation we left behind. No Moonquakes.**
11. **There is enough hydrogen fuel in the sun to last about 4.5 to 5 Billion years.**
12. **Most of what we know about the Moon comes from the rocks we brought back.**
13. **Galileo thought the flat (dark) areas of the moon were bodies of water, seas. (Maria ((mar-E-ah))**
14. **The solar winds are emitted by the suns Corona.**
15. **The HELIOcentric (Sun Centered) model of the “system of planets” got support when Galileo saw Venus went through phases and Jupiter had moons.**
16. **The Suns “Atmosphere” is the Photosphere, deepest and gives off light. Chromosphere, middle layer that gives it its color. Corona, extends out and becomes the solar winds.**
17. **The round pits on the moon are called craters.**
18. **According to the collision or impact theory, the moon was formed when an object about the size of Mars hit Earth.**
19. **The moons average density is about the same as our crust, the moon is overall LESS dense then the Earth.**
20. **Kepler discovered that the orbits of objects in the solar system are ellipses and not perfect circles.**