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

**Solar System Map Activity**

**On the diagram of the football field shown below, fill in where each planet would be if the Sun is on one goal line.**



***SUN***

1. **In the above analogy, how big is:**
2. The Sun
3. Earth
4. Mercury (the smallest planet)
5. Jupiter (the largest planet)
6. **What is an Astronomical Unit (AU)?**
7. **For each solar system object below, record its distance from the Sun in AU’s:**
8. \_\_\_\_\_ - Mercury
9. \_\_\_\_\_ - Venus
10. \_\_\_\_\_ - Earth
11. \_\_\_\_\_ - Mars
12. \_\_\_\_\_ - Asteroid Belt
13. \_\_\_\_\_ - Jupiter
14. \_\_\_\_\_ - Saturn
15. \_\_\_\_\_ - Uranus
16. \_\_\_\_\_ - Neptune
17. \_\_\_\_\_ - Pluto
18. **Which planet is one and a half times further from the Sun than Earth?**
19. **Which planet is nearly twice as far away from the Sun as Jupiter?**
20. **Which planet is about 25% closer to the Sun than Earth?**
21. **Which planet is nearly 20 times farther from the Sun than Earth?**
22. **Which planet is about 30 times farther from the Sun than Earth?**