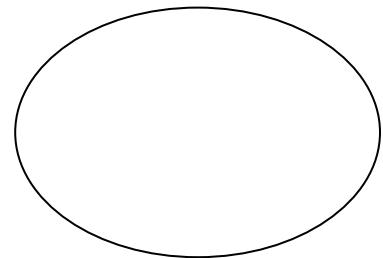
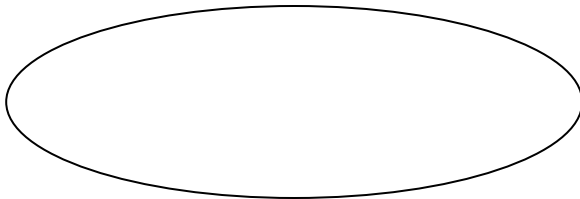


Read Pages 153-158

Do Questions #12-28 on pages 170-171, and #29-32 on page 173.

- |           |           |           |           |
|-----------|-----------|-----------|-----------|
| 12. _____ | 17. _____ | 22. _____ | 27. _____ |
| 13. _____ | 18. _____ | 23. _____ | 28. _____ |
| 14. _____ | 19. _____ | 24. _____ | 29. _____ |
| 15. _____ | 20. _____ | 25. _____ | 30. _____ |
| 16. _____ | 21. _____ | 26. _____ | 31. _____ |
|           |           |           | 32. _____ |

Find the eccentricity of the following two ellipses, the dots are the two foci. You will need a centimeter scale to measure the ellipse.



**A. Gravity,** (Include both relationships as distance between two objects changes): \_\_\_\_\_

As distance between two objects decreases: \_\_\_\_\_

As distance between two objects increases: \_\_\_\_\_

**B. Solar System:** \_\_\_\_\_

**C. What is unique about the atmosphere on Venus, explain why Venus has the hottest temperature as a planet? (Hint: something to do with green house gases)** \_\_\_\_\_

**D. Asteroid:** \_\_\_\_\_

**E. Comet:** \_\_\_\_\_

**F. Meteor:** \_\_\_\_\_

**G.** List the different categories of stars used to classify stars, (*Hint: ESRT p15*):

\_\_\_\_\_

Hottest stars are \_\_\_\_\_ in color. What kind of star is our Sun? \_\_\_\_\_

**H.** Nuclear Fusion: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**I.** Galaxies: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**J.** Universe: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**K.** Big Bang Theory: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**L.** Explain what the Red Shift is about with respect to the Big Bang Theory: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**M.** Explain what is so unique about the Hubble Telescope: \_\_\_\_\_

\_\_\_\_\_