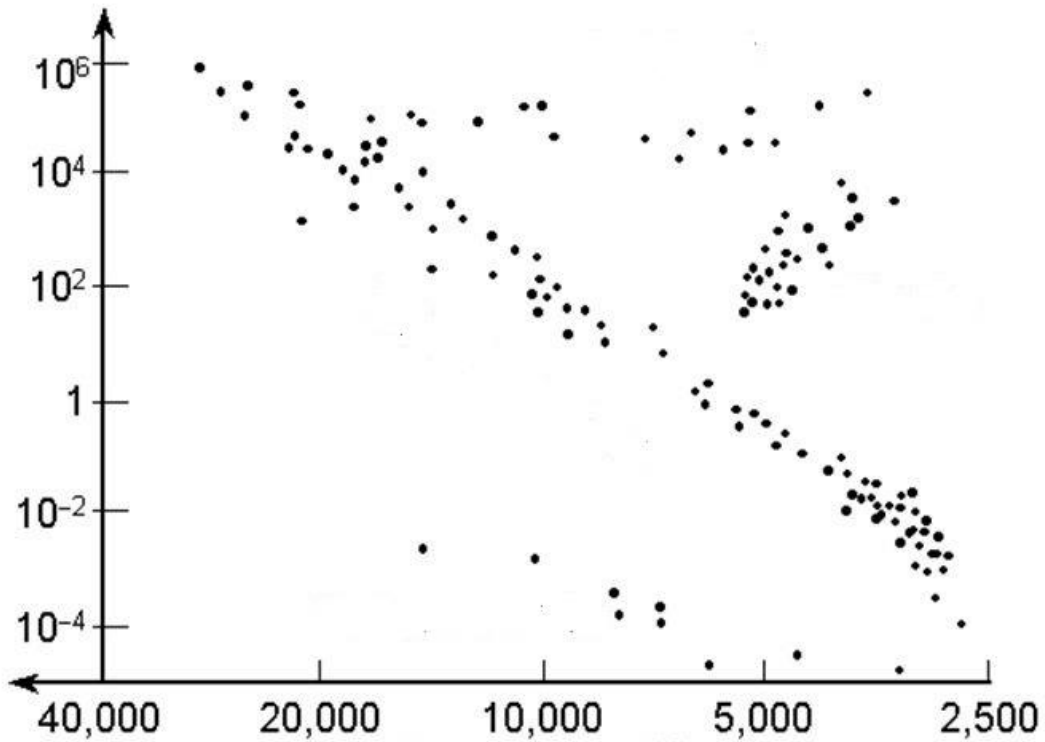


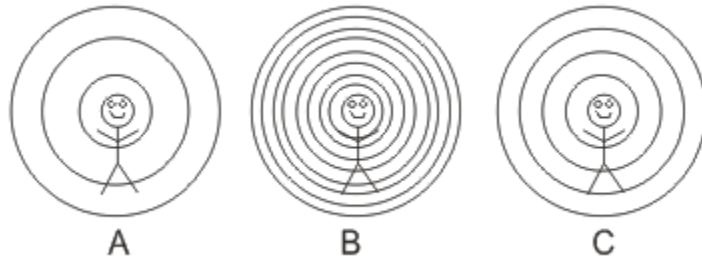
Quiz: Stars and Universe, Part 2 (HR Diagrams, Doppler, and The Big Bang)

Complete each of the following on the diagram below...

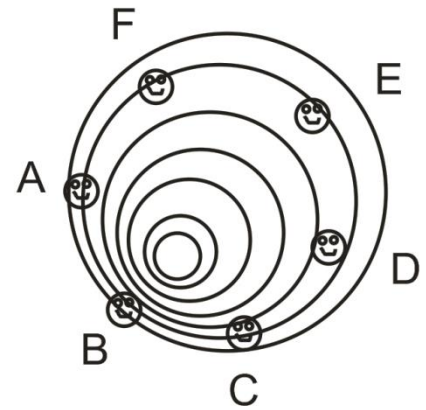
1. Label a red giant
2. Label a blue star
3. Show the approximate location of our sun.
4. Label a white dwarf.
5. Show/label where the main sequence stars are located.



6. If the circles below represent sound waves, who is making noise with the highest frequency?



7. The sound waves on the right were produced by a moving object. What was the object's direction of travel? Use an arrow to show the object's direction of travel.



8. Which smiley face hears the lowest pitch sound?

9. Circle the person who sees a red shift when looking at the star.



10. What is the age of the universe?

11. When was most of the hydrogen and helium in the Universe created?

12. If we could have seen it, what would the Universe have looked like 380,000 years after the Big Bang?

13. When did the first stars and galaxies form?

14. List two pieces of evidence for the Big Bang?

15. Edwin Hubble created a graph similar to the one on the right. Each dot represents a galaxy. How did Hubble measure the velocities of the galaxies on the graph?

