

Review for Astronomy Quiz

Study homework worksheets:

- The Sun: Earth's Star
- The Hertzsprung-Russell Diagram
- Questions and answers assigned from Chapters 23 & 24 of "Focus"

Study Student Activities:

- How Do Astronomers Measure Distances to Stars?
- How Is a Star's Color Related to Its Temperature?
- The Life of a Star

Study Classroom Notes

Read Pages 746-750 (Chapter 23) in "Focus on Physical Science"

Read Pages 793-814 (Chapter 24) in "Focus on Physical Science"

Know the definitions on the Astronomy Word List - plus the following words:

constellation fusion red shift Doppler effect

Know the 3 layers of the sun's atmosphere & the 3 layers of the sun's interior

- Know that the sun is made of 99% hydrogen and is producing helium by a nuclear fusion process. As the sun ages, the helium amount increases.

Know:

- that **Ptolemy** believed that the **earth** was the center of the solar system
- that **Copernicus** believed that the **sun** was the center of the solar system

Be able to interpret the H-R diagram

- know how to find surface temperature of a star
- know how to tell which star is brightest
- know how to tell the color of a star
- know how to tell a star's "type"
- know the location of a star in its life-cycle
- know the relationship between color and temperature
- the general relationship is: as temperature increases, brightness increases

Know the different shapes of galaxies

- elliptical, spiral, irregular
- our galaxy (Milky Way) is spiral

Be able to explain:

- Red shift/Blue shift
- Life Cycle of a Star
- How star distance is determined