

“What You See is not what you Get”

Goal: What our Milky Way galaxy looks like as seen from the surface of our spinning planet-----What you think..... It’s all a matter of **perspective!**

2-1 The Stars

1. “Appearances are deceiving.” What does that statement mean?
2. Stars “rise” in the east daily. Why?
3. What is a “constellation” and how were they originally named?
4. Constellation confusion- What decision was made in 1928 by the I.A.U. to clear up some confusion about the boundaries of constellations? (fig 2-3b)
5. Study fig. 2-3. Stars in a constellation or asterism are not physically associated with one another. Explain. (oh yes –what the heck is an **asterism**? Example?)
6. Describe the system to use Greek letters to identify individual stars in a constellation. What letters are used and in what pattern?
7. Why do astronomers use names like: “ **α Canis Majoris**” rather than the common name “**Sirius**” to identify stars? Talk about a “**genitive**” and give a couple examples in your answer. (see Appendix A page 445)?
8. Study fig. 2-4. What inconsistencies are evident in the Greek letters used to identify **Orion**? Where’s the problem? (check out the armpit of Jawza)

The Brightness of Stars

9. Study Table Appendix (A-15) THE GREEK ALPHABET on page 449. Figures 1-6 The symbols - capital and small case and name must be memorized. Write them and learn them. For example: (α β γ δ ϵ ζ)