1. Read through the book section 1.3 (pages 9-12)

**A**

1. Make a poster describing, explaining and illustrating the celestial sphere
   1. Use **colors**
   2. **Title** the poster
   3. **Label:** axis, equator, celestial equator, north and south poles, north and south Celestial poles and anything else you think is important from the notes or book.
   4. On page 12, **Declination** and **Right Ascension** are explained. Illustrate and explain those on the poster.
   5. Be **neat!**
2. Answer these questions.
   1. Why do astronomers find it useful to retain the fiction of the Celestial Sphere to describe the sky?
   2. What vital piece of information about stars is lost when we talk about their locations ‘on’ the sky?
   3. Why do the stars rise in the east and set in the west? What else rises and sets? Explain!
3. Read through the book section 1.3 (pages 9-12)
4. Make a poster describing, explaining and illustrating the celestial sphere

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   4. **Horizon** and **Zenith** are different for each person depending on a few things explain and illustrate what that means.
   5. Be **neat!**
2. Answer these questions.
   1. Why do astronomers find it useful to use the Celestial Sphere to describe the sky even though it is false?
   2. What vital piece of information about stars is lost when we talk about their locations ‘on’ the sky?
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**C**

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   2. **Title** the poster
   3. **Label:** axis, equator, celestial equator, north and south poles, north and south Celestial poles and anything else you think is important from the notes or book.
   4. Explain the difference between **constellations**, and **asterisms**. Illustrate what you mean.
   5. Be **neat!**
2. Answer these questions.
   1. Why do astronomers find it useful to use the Celestial Sphere to describe the sky even though it is false?
   2. What important piece of information about stars is lost when we talk about their locations ‘on’ the sky?
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