• Answer the following questions on a separate sheet of paper.
• Answer the questions using complete sentences – any answers not in complete sentences will get no credit.
• Answers are due THURSDAY for full credit.
• Part 1 = C; Parts 1 & 2 = B; Parts 1, 2 & 3 = A

Part 1 – These answers can be found directly in the reading, and go in order in the reading. Answer them using complete sentences!!
1. What directions does the Sun rise and set in?
2. Where does the Earth’s northern axis point?
3. What does “celestial” mean?
4. Which star is currently closest to the North Celestial Pole?
5. Why do stars appear to move in a circle?
6. Which star seems to remain in one spot while the rest of them rotate around it?
7. What was one handy tool that sailors used to measure how high or low a star was in the sky?
8. What do today’s sailors use in order to guide their travels?
9. What is precession?
10. What was the North Star in 3000 BC?

Part 2 – The answers to the following questions can be found in the reading, but don’t necessarily go in order, and aren’t word for word. THINK! Answer in complete sentences!
1. What is the difference in the appearance of the North Star between the north and south in the Northern Hemisphere?
2. How did sailors use the height of the North Star to estimate their locations?
3. Before the invention of the compass, how did sailors determine if they were sailing east or west?
4. Why is Polaris called the North Star?
5. What is the relationship between the position of the North Star and latitude?

Part 3 – Do some research! Find out one of the following, and write a paragraph or two about it:
• What is used as the “Southern Star” in the Southern Hemisphere? Give details!
• What other stars took the role of North Star in history? Tell about it – what constellation, etc.
• What other stars will be the North Star in the future, and when?