Space Unit – Unit 1 – Lesson 1

Section 1

1. What central point in the sky do stars circle around?
2. Read the baseball analogy. According to the analogy, over which base does the sun rise? Over which base does it set?
3. What is a celestial object?
4. How does the book define rotation?
5. How does the book define the word axis?
6. According to the last paragraph, why do stars appear to move across the night sky?

Section 2

1. What are seasonal stars?
2. How does the book define revolution?
3. How does the book define the word orbit?
4. Is Earth’s orbit a circle?
5. Why do we have seasonal stars on Earth? (read under Figure 2b)
6. Why can’t you see Scorpius in January?

Section 3

1. According to book, what is the orbital plane?
2. Why can’t we see the sun during the day? Where would we have to look to be able to see it?
3. What are circumpolar stars?
4. Are the circumpolar stars around Polaris able to be seen from the Southern Hemisphere? Why or why not?