Exercise F1: Our Star, the Sun

Student name: _____ Class: _____ Date: _____

Check the box with the correct answer.

Question 1: Approximately how long does it take for the Sun to complete one rotation?

- ☐ **a.** 10 days
- ☐ **b.** 16 days
- ☐ **c.** 26 days
- ☐ **d.** 100 days

Question 2: Press the **Run Time Forward** button and observe the sky's motion. Where on the Sun are you located?

- ☐ **a.** The Sun's equator.
- ☐ **b.** The Sun's north pole.
- ☐ **c.** The Sun's south pole.
- ☐ **d.** The Sun's interior.

Question 3: Stop time advance and use the **Angular Separation Tool** to measure the distance between the Sun and some of its neighbors. About how far away are our neighboring stars?

- ☐ **a.** Billions to millions of light years away.
- ☐ **b.** Millions to thousands of light years away.
- ☐ **c.** Thousands to hundreds of light years away.
- ☐ **d.** Hundreds to tens of light years away.

Question 4: The daily solar images on the Internet occasionally appear to be relatively smooth and featureless. What does this tell you about the Sun?

- ☐ **a.** Magnetic activity on the Sun is high.
- ☐ **b.** The Sun's magnetic activity is at a very low level.
- ☐ **c.** The imaging systems are not working.
- ☐ **d.** The high-temperature and featureless outer corona hides the active lower layers.