

POST-UNIT 1 QUESTIONNAIRE, CONTINUED

3. Why does the Sun look much bigger than the stars we see at night? Circle the letter of the best answer.

- A. The Sun is much bigger than the stars.
- B. The Sun looks bigger because it is closer to us than the stars.
- C. The Sun looks bigger because it is farther away from us than the stars.
- D. The Sun can only be seen in the daytime.

Response	Scoring
B	4-Complete Understanding: Student understands that the Sun appears to be much larger than other stars because it is much closer to the Earth.
	3-Partial Understanding: Not applicable.
	2-Insufficient Understanding: Not applicable.
A, C, or D	1-Inaccurate Understanding: Student thinks that the Sun can be seen only during the daytime (which is accurate), but this does not answer the question. Or the student thinks that the Sun is actually much larger than the other stars in the sky. Or the student thinks that the Sun looks bigger because the Sun is farther away from the Earth than the other stars.

4. One of the pictures below shows the correct sizes of the Sun, Earth, and Moon compared to each other. This question is about the real sizes, not how big they look in the sky. Which is the best? Circle the letter of the best one.

Response	Scoring
E	4-Complete Understanding: Student understands that the Sun is much larger than both the Earth and the Moon, and the Earth is larger than the Moon. The student also has an idea about the relative sizes of these three objects.
D	3-Partial Understanding: Student understands that the Sun is larger than both the Earth and the Moon, and the Earth is larger than the Moon, but does not fully understand the relative sizes.
	2-Insufficient Understanding: Not applicable.
A, B, or C	1-Inaccurate Understanding: Student thinks that the Earth is the largest object. Or the student thinks that the Moon is larger than the Earth.