

Name _____

The Sun vs. Other Stars Answer Key

- **Size:** Sun - medium-sized yellow dwarf; Other Stars - range from tiny red dwarfs to massive supergiants.
- **Age:** Sun - about 4.6 billion years old; Other Stars - range from very young (millions of years) to very old (over 10 billion years).
- **Temperature:** Sun - about 5,500°C (surface); Other Stars - range from cooler (around 3,000°C for red stars) to much hotter (over 30,000°C for blue stars).

Sorting Statements

1. S
2. O
3. B
4. S
5. O
6. S
7. O

Short Response

Answers will vary. Example: *The Sun is important because it provides Earth with light and warmth needed for life. Plants use its energy for photosynthesis, which supports all food chains. Even though it is just an average star, its position as our closest star makes it essential for life on Earth.*