

Name \_\_\_\_\_

## Twin Stars: The Marvel of Binary Systems

### Short Answer

1. Explain how visual binary stars appear when observed through a telescope.
2. Describe the key characteristic of spectroscopic binary stars that allows astronomers to detect their presence.
3. How do eclipsing binary stars create a light curve, and what information can astronomers gather from it?
4. Name and briefly explain one process through which binary stars can form.
5. Why is measuring the masses of stars accurately important in astronomy, and how do binary stars assist in this process?

