

---

---

## Exercise F6: The Hertzsprung-Russell Diagram

Student name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Check the box with the correct answer.

**Question 1:** Which of the following stars is a red giant (usually class K or M)?

- a. Nunki
- b. Rasalhague
- c. Shaula
- d. Yed Prior

**Question 2:** Which of the following stars is not a main sequence star?

- a. Antares
- b. Nunki
- c. Rasalhague
- d. Altair

**Question 3:** Which properties best describe the star Antares?

- a. blue and bright
- b. red and bright
- c. blue and faint
- d. red and faint

**Question 4:** Which of the following stars is a class K star with an absolute magnitude of about 5?

*Hint: Use the search box on the right top side of the main window to locate each of these stars.*

- a. 9 Sagittae
- b. HIP 97944
- c. HIP 87491
- d. Xi Serpentis

