

**Science 9**  
**Unit E: Space Exploration**  
**Lesson 3**  
**Practice Worksheet 53: The Life Cycle of a Star**

Work through the readings and videos in Unit E Lesson 3. In the charts below, record a **description of stars at various stages of development**. You may choose to add drawings or pictures.

**Question 1**

Outline the life cycle of Sun-like stars in the chart below.

Life Cycle of Sun-like Stars	
Stage	Description
1. Nebula	
2. Sun-like Star	
3. Red Giant	
4. White Dwarf OR Black Dwarf	White Dwarf
	Black Dwarf

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**Question 2**

Outline the life cycle of massive stars in the chart below.

Life Cycle of Massive Stars	
Stage	Description
1. Nebula	
2. Massive Star	
3. Red Supergiant	
4. Supernova	
4. Black Hole OR Neutron Star	Black Hole
	Neutron Star

**Congratulations! You have completed this practice worksheet.**

Now it's time to carefully compare your answers to the suggested answers in the online course. When comparing, you should feel free to make changes to your answers or make extra notes.

**Keep this practice worksheet for study purposes.** Using practice worksheets as a study tool to review for exams is a great idea.

**If you unsure about any of the questions or answers, or you just want more feedback, share this practice worksheet with your teacher and ask for assistance.** You can do that by emailing the teacher, or by submitting it in the Course Questions Forum in the online course. If you are using this practice worksheet in Google Drive, don't forget to change the sharing settings so that anyone can view it before sending the link to your teacher.

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