**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.

*Leave your answers in blue; it will be easier for you and your teacher to see them later.*

**Question 1**

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

|  |  |
| --- | --- |
| **Life Cycle of Sun-like Stars** | |
| **Stage** | **Description** |
| 1. Nebula | *Type your answer here.* |
| 2. Sun-like Star | *Type your answer here.* |
| 3. Red Giant | *Type your answer here.* |
| 4. White Dwarf OR Black Dwarf | White Dwarf  *Type your answer here.* |
| Black Dwarf  *Type your answer here.* |

**Question 2**

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

|  |  |
| --- | --- |
| **Life Cycle of Massive Stars** | |
| **Stage** | **Description** |
| 1. Nebula | *Type your answer here.* |
| 2. Massive Star | *Type your answer here.* |
| 3. Red Supergiant | *Type your answer here.* |
| 4. Supernova | *Type your answer here.* |
| 4. Black Hole OR Neutron Star | Black Hole  *Type your answer here.* |
| Neutron Star  *Type your answer here.* |

**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.