

Name \_\_\_\_\_

## The Stages of a Star's Life

**Directions:** Below are scrambled stages from the life cycle of a star. Place the stages in the correct order by writing numbers 1-7 next to them. Then, fill in the blank diagram outline with the correct sequence by using the letter of each step.

### Scrambled Stages (not in order)

- A. Main Sequence Star
- B. Nebula (cloud of gas and dust)
- C. Supernova (explosive death of a massive star)
- D. Protostar (early forming star)
- E. White Dwarf (remnant of a small/medium star)
- F. Red Giant or Supergiant (expanded star nearing its end)
- G. Neutron Star or Black Hole (remnants of the most massive stars)



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**Challenge Prompt:** Why do some stars end as white dwarfs while others end as neutron stars or black holes? Write 2-3 sentences explaining.

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