

The Life Cycle of a Star

Across

3. After billions of years, a white dwarf eventually stops glowing and becomes a _.

7. A star is born when the contracting gas and dust from a nebula becomes so hot that a process called _ starts

8. A massive star becomes a _ after the main-sequence stage.

9. An average star becomes a _ once its fuel starts to run out.

10. Dust and gas in a nebula get pulled together by gravity to form a _.

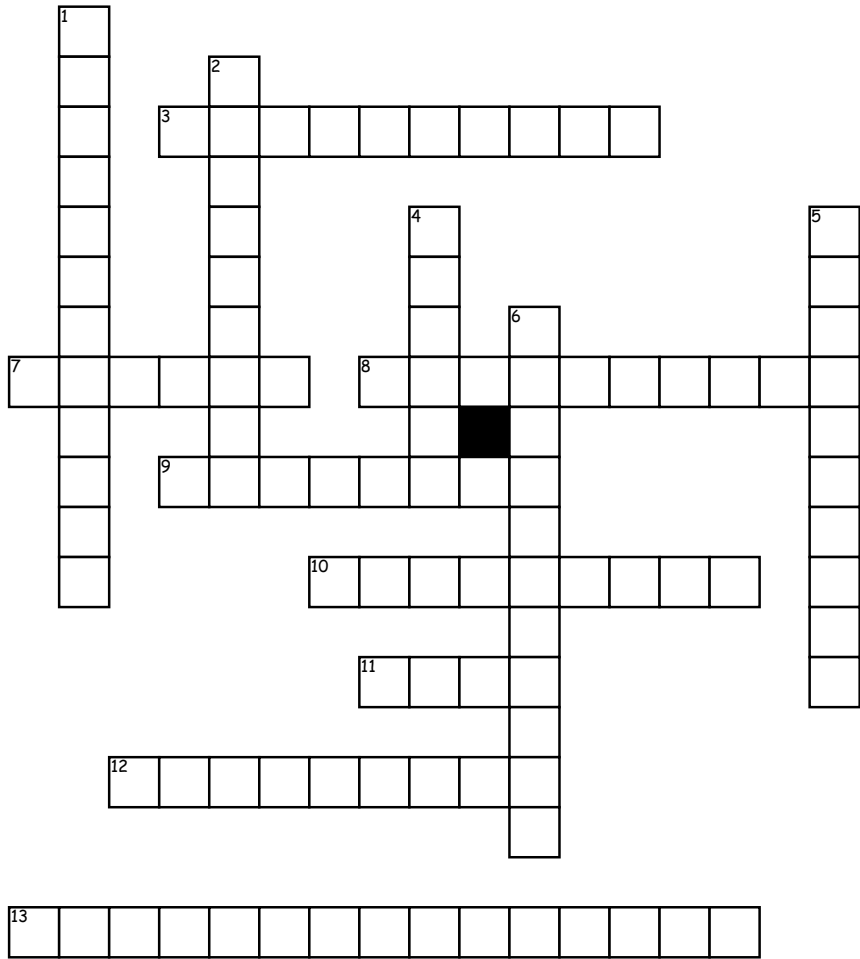
11. A star's _ determines whether it will become a red giant star or a supergiant star.

12. Once a supergiant star runs out of fuel, it explodes quickly, becoming a _.

13. The outer parts of a red giant grow larger, drifting out into space, forming a glowing cloud of gas called a _.

Down

1. A star spends most of its life in the _ stage.



2. A _ is an object with gravity so strong that nothing, not even light can escape.

4. A _ is a large cloud of gas and dust spread out over an immense volume.

5. A _ is the leftover core of a planetary nebula.

6. A massive star could turn into a _ after becoming a supernova.

