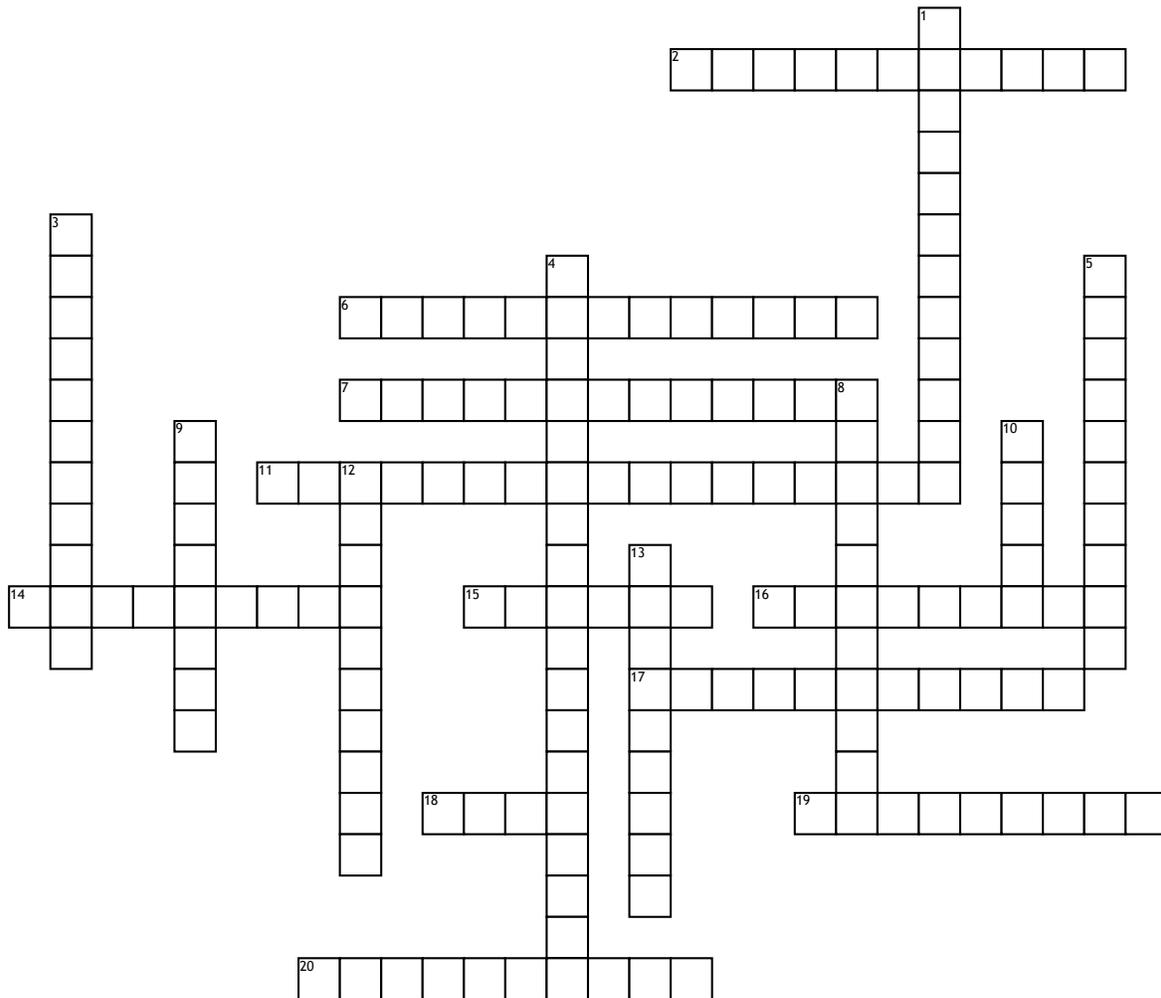


Life cycle of Stars/HR Diagram



Across

- 2. Variable that is plotted on the x-axis of a HR diagram.
- 6. Very large, cool and bright stars.
- 7. A star is born when this occurs.
- 11. Stars brightness as if all were viewed from the same distance.
- 14. The measure of a stars brightness.
- 15. The birthplace of a star.

16. A contracting cloud of gas and dust with enough mass to form a star.

17. Red Giant

18. The location of the hottest stars on the HR diagram

19. Cloud of gas and dust, earliest stage of a stars life

20. On the HR diagram, the y-axis indicates

Down

- 1. The second stage in the life of a star.
- 3. Blue main sequence

4. Brightness of a star from Earth.

5. A star after its Red Giant stage that isn't big enough to supernova

8. An extremely dense star that is formed after a supernova

9. The third stage of a star's life, after it runs out of fuel.

10. The location of the coolest stars on the HR diagram.

12. The explosive death of a star.

13. Exerts such a gravitational pull that no light can escape.