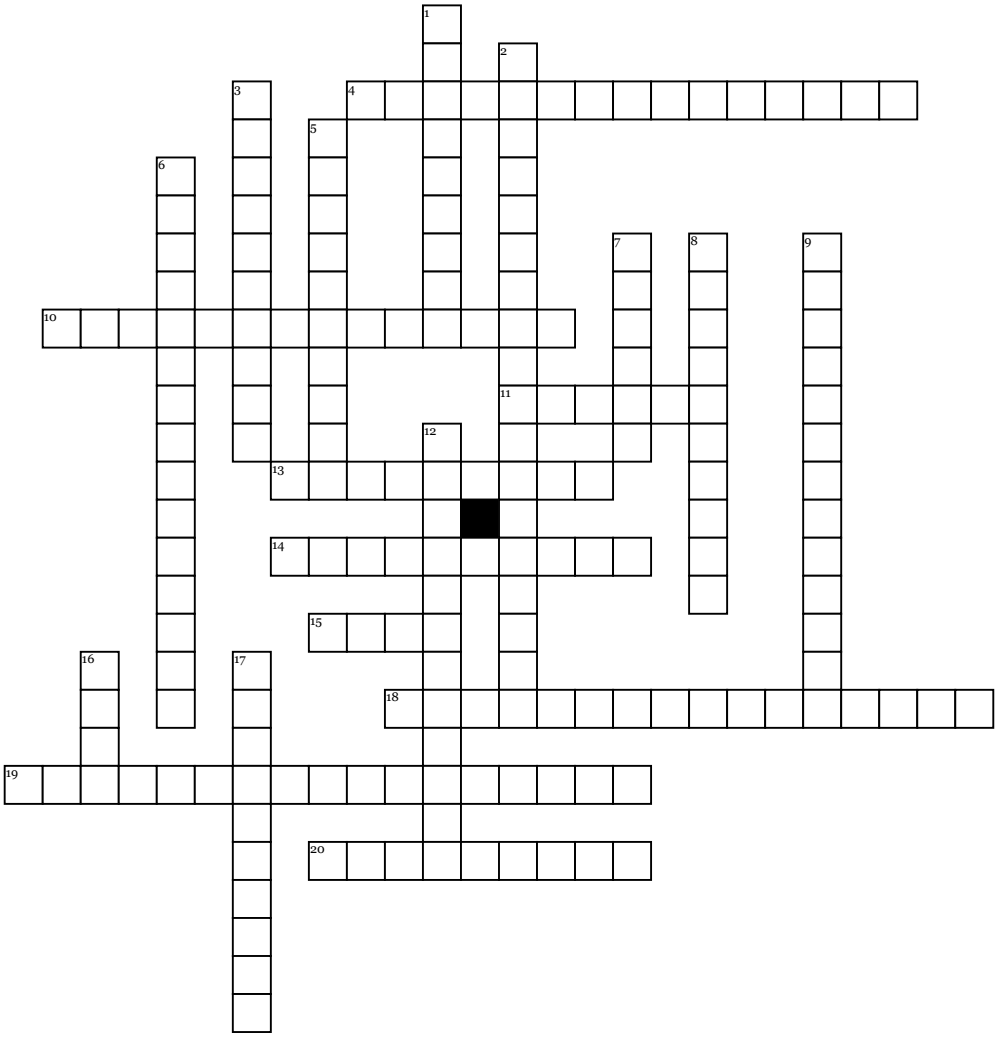
Name: _____ Date: _____ Period: _____

Life Cycle of Stars and HR diagram



Across

4. The 4th stage of a stars life
10. Main Stream Stars will stay that way for approx.
11. Made of dust and gas
13. What compares a stars brightness and temperature
14. This measures how bright a star is
15. The hottest stars are this color
18. What gives stars their energy
19. How bright a star actually is
20. This star has an explosion as bright as the universe

Down

1. When a Supernova collapses it becomes a
2. H.R. stands for
3. This star is a pulsar star
5. Smaller stars burn fuel slower and
6. The closest star to us (not the sun)
7. Stars are made of Hydrogen and
8. Neutron star is also known as a
9. Located at the top right corner of an HR diagram
12. Our sun is currently in this stage
16. This determines how a star will live and die
17. Stage before a black dwarf

Word Bank

Nuclear reactions	Helium	Proxima Centauri	Hertzsprung-Russell
Pulsar Star	Crab pulsar	Mass	Live longer
HR diagram	Supernova	Black hole	Nebula
Planetary nebula	Red super giant	Luminosity	Absolute magnitude
Main Sequence	10 billion years	Blue	White dwarf