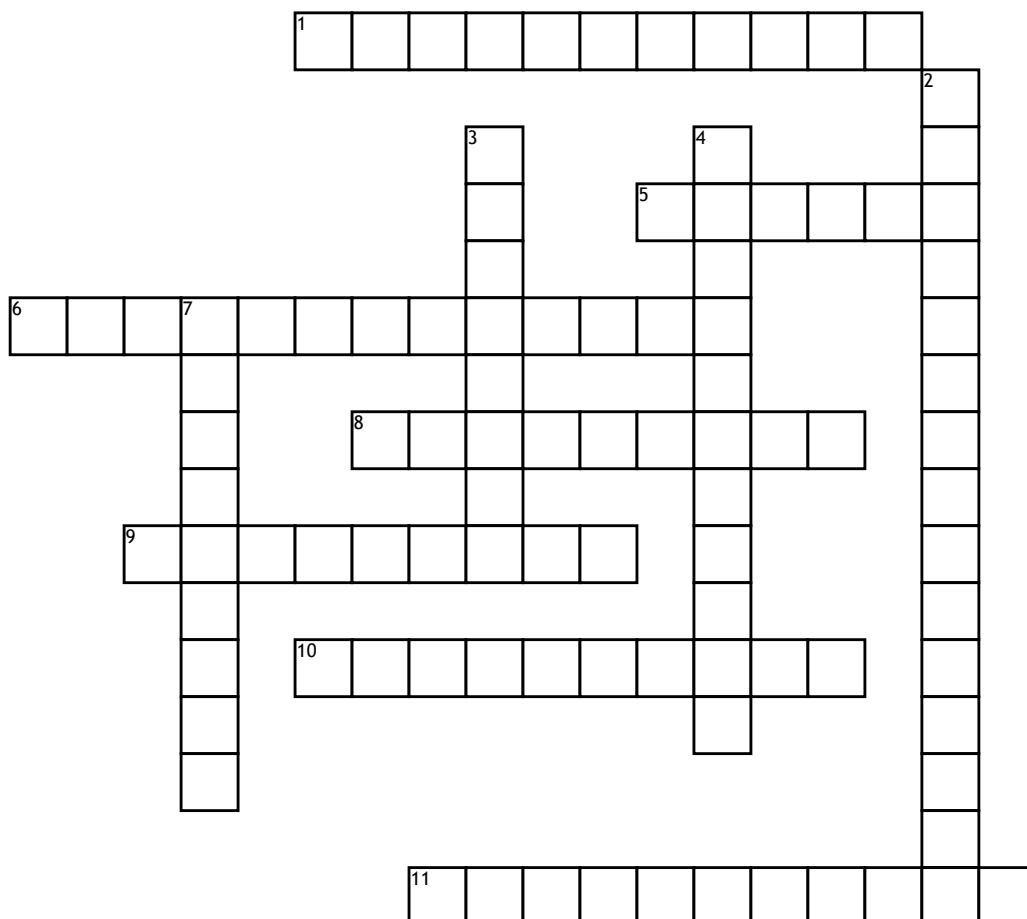


Name: _____ Date: _____ Period: _____

star party phase 3



Across

1. powered by nuclear fusion in their cores, mostly converting hydrogen into helium and liberating tremendous amounts of energy.
5. the nebulosity surrounding a star : a star's shell or envelope of nebulosity.
6. an aging giant star that has consumed its core's supply of hydrogen fuel.
8. a region of space having a gravitational field so intense that no matter or radiation can escape.
9. a contracting mass of gas which represents an early stage in the formation of a star, before nucleosynthesis has begun.

10. is formed when a low-mass star has exhausted all its central nuclear fuel and lost its outer layers as a planetary nebula.
11. a star that is larger than eight solar masses during its regular main sequence lifetime.

Down

2. a ring-shaped nebula formed by an expanding shell of gas around an aging star.
3. a dying star in the last stages of stellar evolution.
4. the collapsed core of a massive supergiant star
7. a star that suddenly increases greatly in brightness because of a catastrophic explosion that ejects most of its mass.

Word Bank

neutron star
nebula
supernova

proto star
red supergiant
massive star

average star
black hole
red giant

white dwarf
planetary nebula