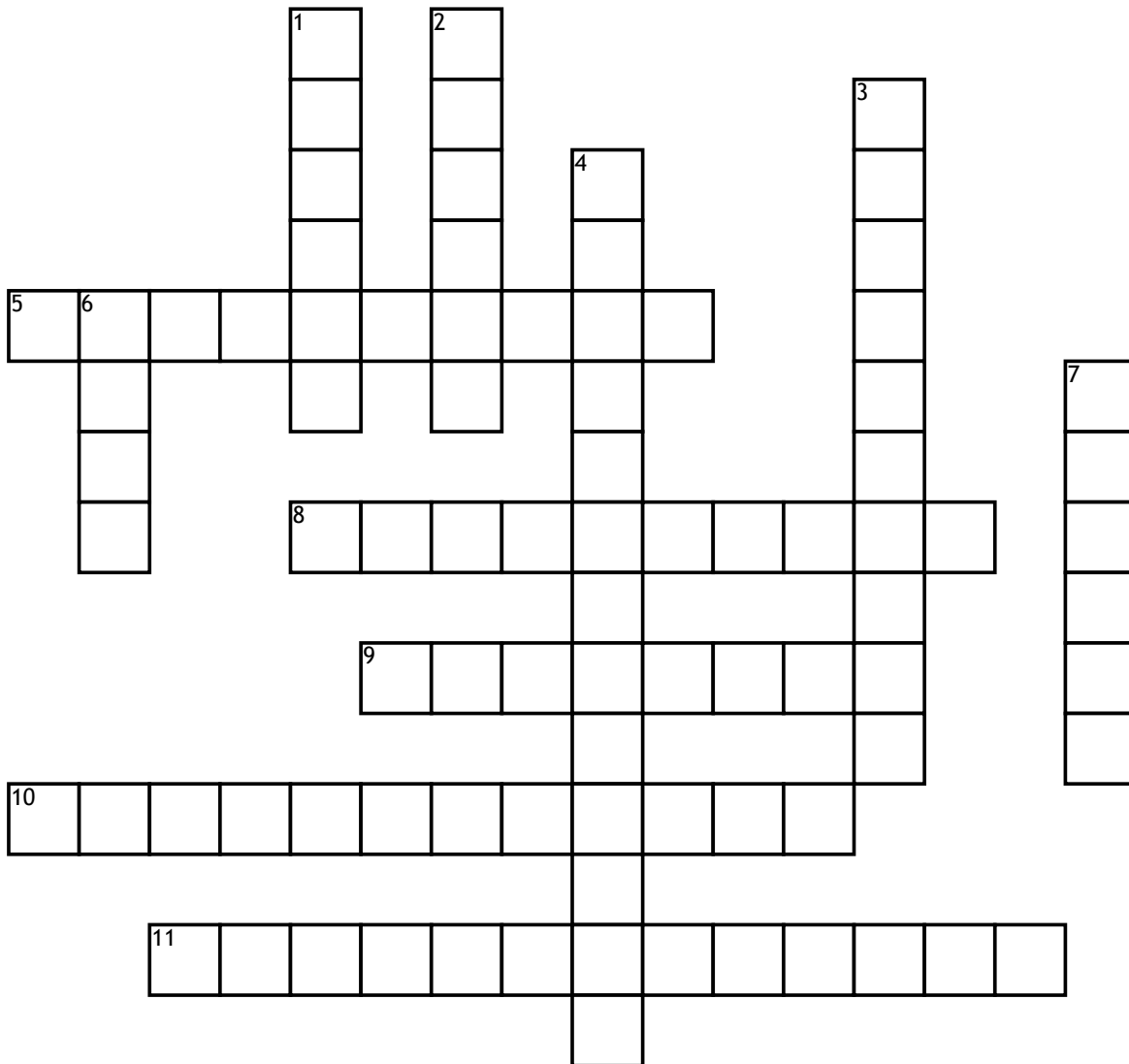


Name: _____

Date: _____

SPACE



Across

5. the unknown energy which causes expansion accelerate
8. objective concept 'luminosity' to compare the brightness of stars measured in watts (W)
9. Flux depends on the luminosity and _____ of the star
10. the sun is at this stage of stellar evolution
11. The frequency of the ambulance stays the same but because the wave source (the ambulance) moves, it seems the frequency changes as it moves.

Down

1. the distance to a star with parallax angle of 1 arcsecond
2. if the density is bigger than critical density, we call this _____ universe
3. the mass that we cannot see but causing galaxies to rotate
4. the theory of how the universe started
6. Redshift happens when galaxies move _____
7. _____'s constant is used to calculate the age of the universe