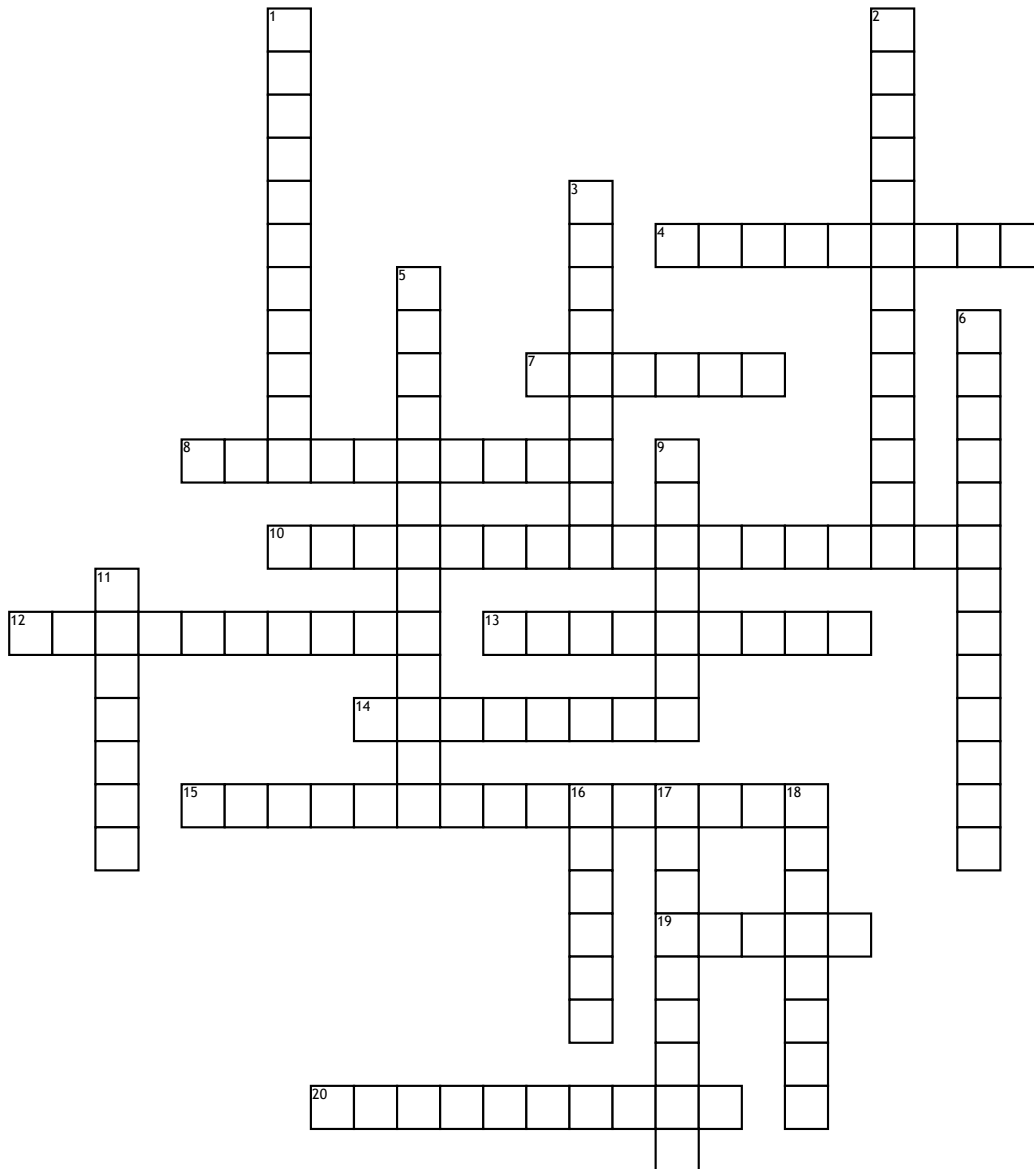


Earth and Space



Across

4. a planet that orbits a star outside the solar system

7. unsteady movement from side to side

8. a celestial body resembling a small planet but lacking certain technical criteria that are required for it to be classed as a normal planet

10. Planet that is composed primarily of silicate rocks or metals EX. Mercury, Venus, Earth, Mars

12. a small very dense star typically the size of a planet

13. the displacement of the spectrum to shorter wavelengths in the light coming from distant celestial objects moving towards the observer.

14. the displacement of spectral lines towards longer wavelengths

15. a ring-shaped nebula formed by an expanding shell of gas around an aging star.

19. a celestial object consisting of a nucleus of ice and dust (has a tail)

20. a region of the solar system beyond the orbit of Neptune

Down

1. a celestial object of very small radius and very high density, composed predominantly of closely packed neutrons

2. a nuclear reaction in which atomic nuclei of low atomic number fuse to form a heavier nucleus with the release of energy

3. a contracting mass of gas which represents an early stage in the formation of a star.

5. the increase in light sound or other waves that causes sudden change in pitch noticeable in a passing siren, as well as the redshift seen by astronomers.

6. a black hole

9. passing through

11. the rapid expansion of matter from a state of extremely high density and temperature and a theory of the creation of the universe

16. a cloud of gas and dust in outer space

17. a region of space having a gravitational field so intense that no matter or radiation can escape

18. a small rocky body that orbits the sun