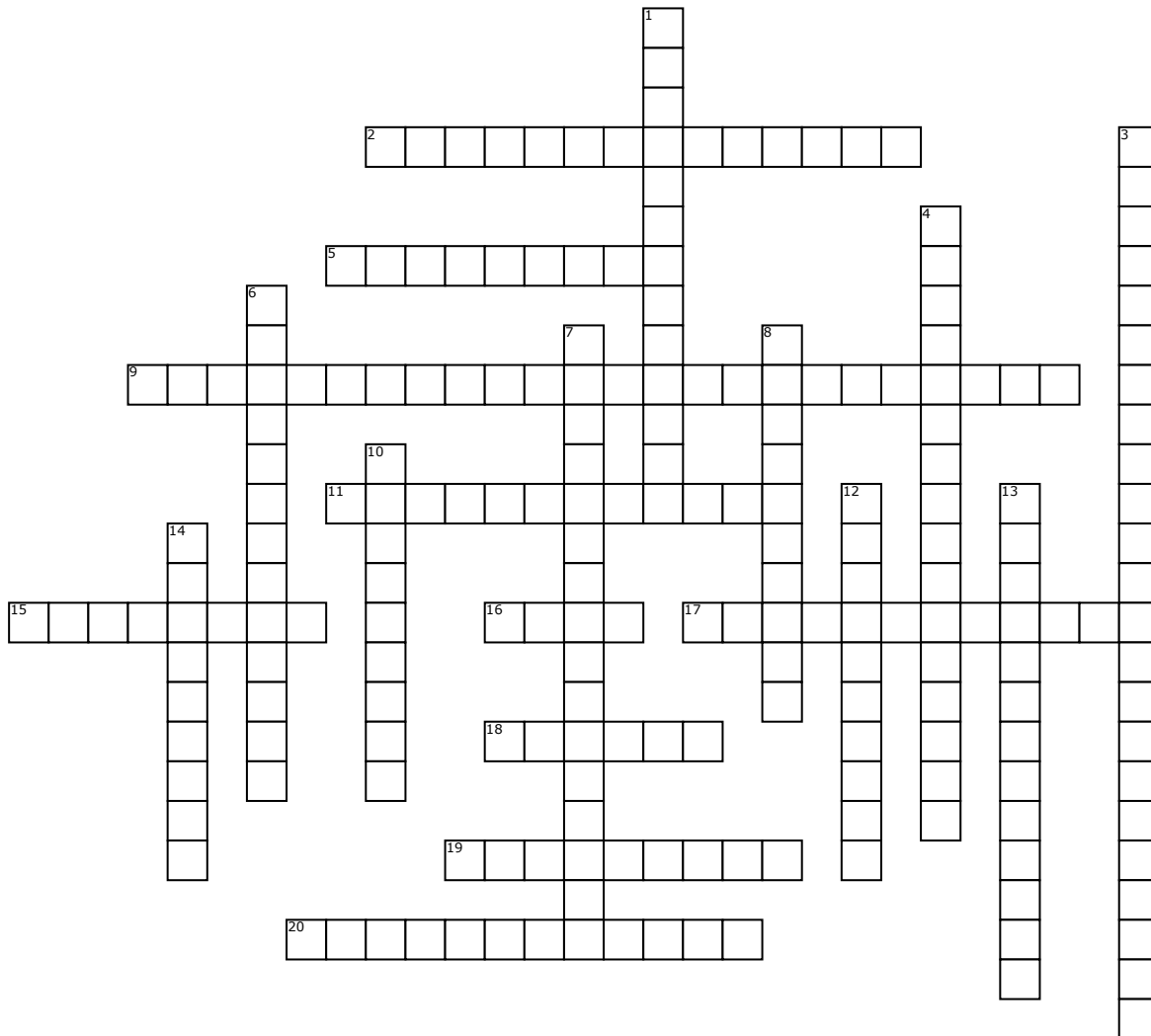


SPACE



Across

2. The average distance in between the sun and a planet

5. When a star explodes

9. Light that travels in a form of waves

11. A system with 2 stars

15. The rainbow band of colours into which white light separates

16. A hot ball of plasma that shines

17. A region of rocky debris that forms a ring around the sun

18. A large cloud of dust

19. A region of space where gravity is so strong nothing can escape

20. an optional instrument that separates light into spectral colours

Down

1. A series of dark lines across a star's band of colour

3. Radio waves with very long wave lengths through visible light, to gamma rays with short wave lengths

4. The change in position of spectral lines, to the left or right of where they normally are

6. The process of the nuclei of atoms fusing together to make larger atoms.

7. Objects we can see in the sky are?

8. Invisible matter in the universe that does not interact with life

10. The distance a beam of light travels through space in 1 year

12. A person who studies astronomy

13. The theory that states the universe formed when an indefinitely dense point suddenly expanded in a single moment

14. The study of the universe