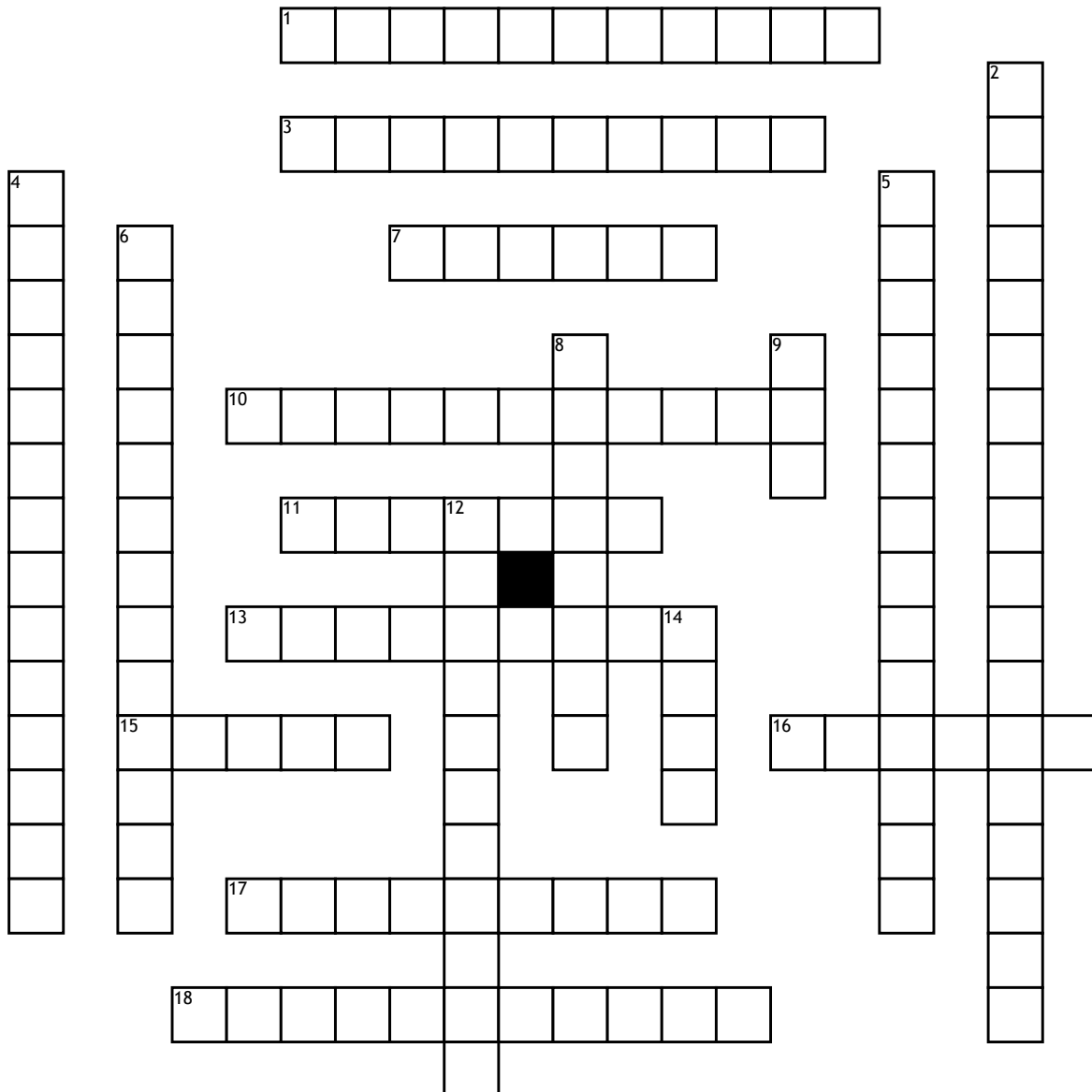


# Transients and Cosmic Fireworks



**Across**

1. The people who invented the internet and wifi. (Physicists and \_\_\_\_\_)

3. Our universe is expanding and is speeding up. Scientists believe this may be due to \_\_\_\_\_.

7. The wave detected in September 2015 by LIGO was less than the width of a \_\_\_\_\_.

10. The 'guest star' was visible in daylight for \_\_\_\_\_ days.

11. What does the Manchester telescope observe?

13. How many supernovae will the LSST find per night?

15. How many stars explode as supernovae per century?

16. The name of the telescope near Manchester.

17. Modern astronomers think the 'guest star' was a \_\_\_\_\_.

18. The Large Synoptic Survey Telescope in Chile is 1000 times more powerful than your \_\_\_\_\_.

**Down**

2. LIGO detects these.

4. The Cambridge PhD student saw strange blinks of light that came to be called "\_\_\_\_\_".

5. These caused the Parkes radio bursts.

6. \_\_\_\_\_ are a grain of rock or sand which enter the atmosphere and burn.

8. The verb Rene used to describe looking up at the night sky and enjoying the view.

9. The number of billions of years that our sun will last.

12. Where is the Square Kilometre Array: Australia and \_\_\_\_\_.

14. There was no record of the 'guest star' in Europe because it was the \_\_\_\_\_ ages.