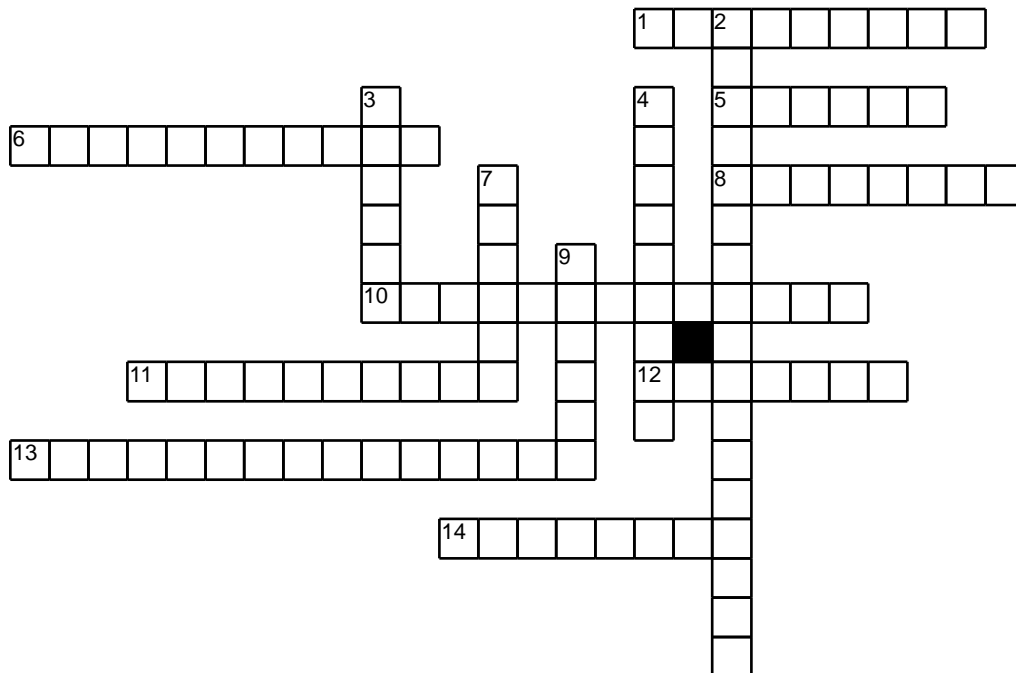


## The Universe

Complete the puzzle using the clues below.



### Across

1. The theoretical remains of a super-massive star that has exploded and collapsed in on itself. (two words)
5. A rapidly spinning neutron star that sends out pulses of radiation at regular intervals.
6. A small, extremely dense star composed mostly of neutrons, or the remains of a supernova explosion. (two words)
8. An unstable star whose hydrogen has run out. (two words)
10. A group of stars that form a pattern or shape in the night sky.
11. Matter that cannot be detected with current technology. (two words)
12. The universal force of attraction that pulls all matter together.
13. A ring of dust and gas blown off a red giant star after it undergoes an explosion. (two words)
14. Apparent shift in a spectrum of light that indicates a star is moving away. (two words)

### Down

2. The apparent brightness of a star as observed from Earth. (two words)
3. A distance, equal to 3.26 light-years, that is used to measure immense distances in space.
4. A branch of astronomy concerned with the study of the origin and evolution of the universe.
7. A very energetic distant object that may be powered by a black hole.
9. Derived from the Latin word for "cloud," a fuzzy patch of light in the night sky.