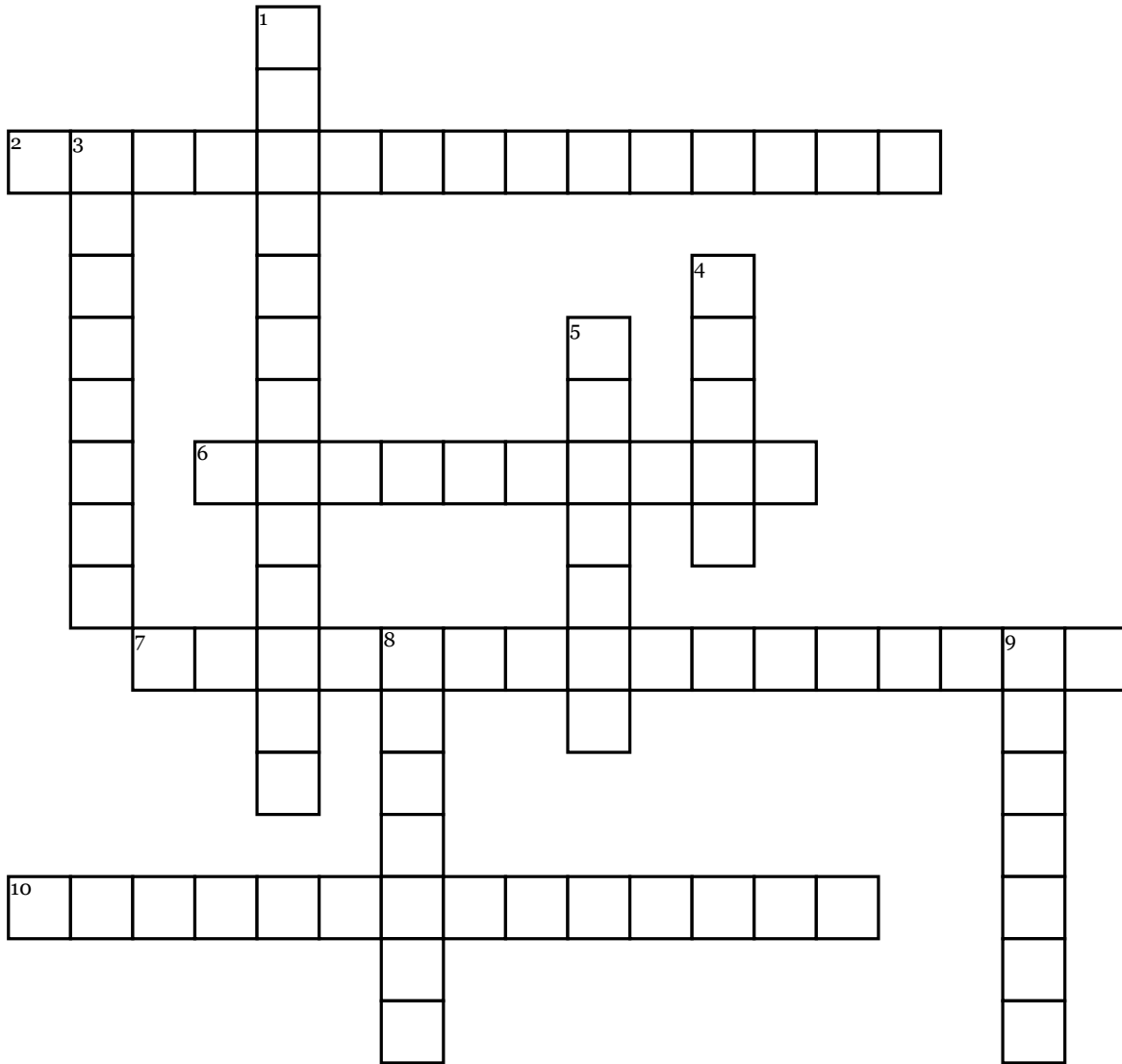


The Square Kilometre Array



Across

2. This project questions the whereabouts and origins of humans and other life forms.

6. _____ Clouds are galaxies that live closest to the Milky Way.

7. Instead of building one big telescope with a diameter of 1000m, scientists joined up lots of smaller telescopes to create a _____.

10. Scientists cannot build an optical telescope in a city due to _____.

Down

1. The arrays in Australia are in the shape of a _____. In Phase 1 of the project, there is said to be 125 000 arrays, and in Phase 2, about a million.

3. By measuring _____ of galaxies, we can measure that there is dark matter in the universe.

4. The Square Kilometre Array consists of 11 member countries, with the goal to build a huge _____ telescope.

5. According to Einstein, _____ bends space and time, which results in light going around it. This questions if there is dark matter in between galaxies.

8. Dark matter is called 'dark' because its properties are _____. It is not a star, a planet, a galaxy, particles, nor black holes. It does not interact with other matter.

9. Compact stars (like lighthouses) that consist of 2 bright beams of radio light. It orbits around a black hole, causing gravitational waves. These are used to test Einstein's theory.