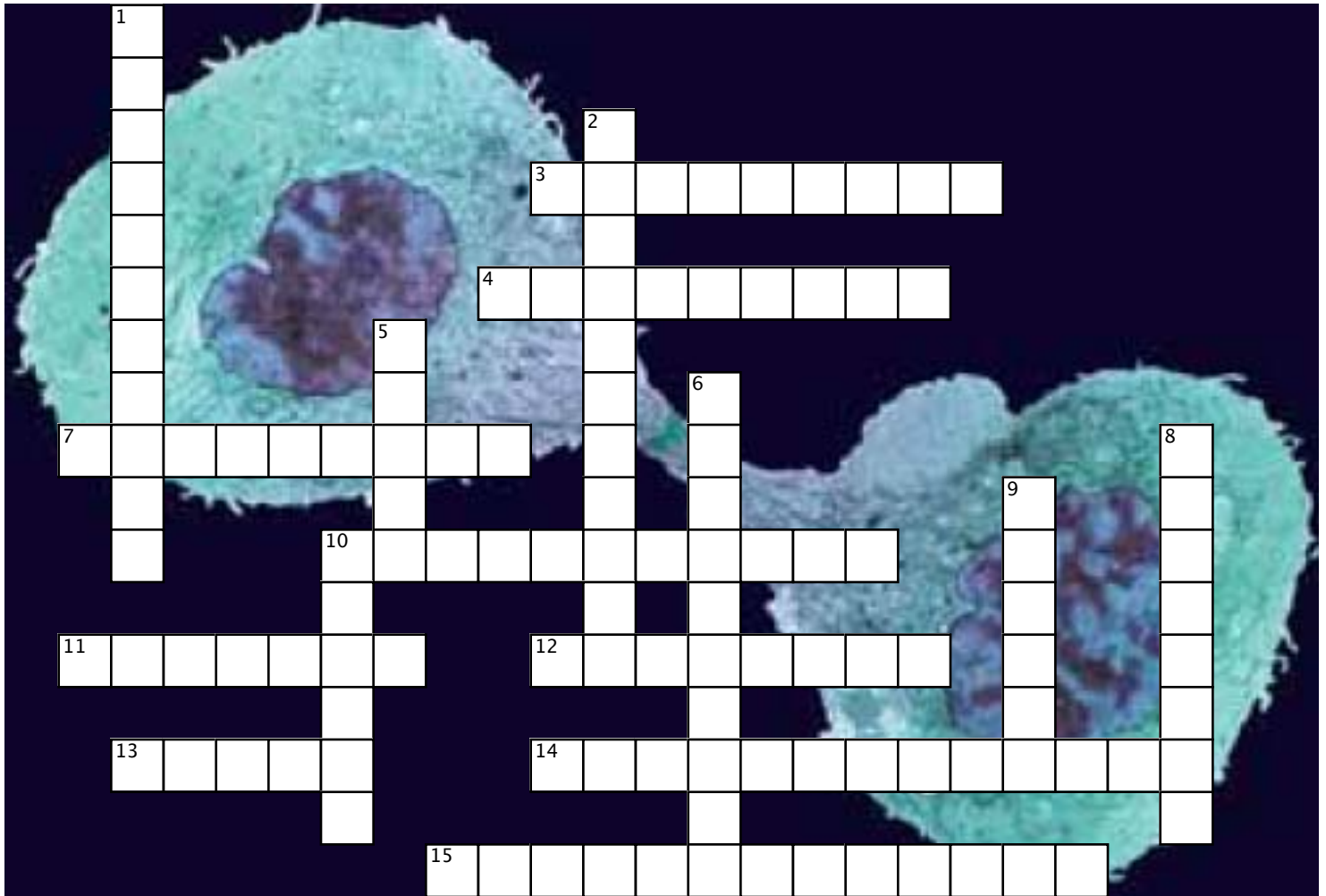


# Mitosis and Asexual Reproduction



## Across

3. In this stage of mitosis, chromosomes line up across the middle of the cell.
4. This is the final stage of mitosis.
7. Cells that have the potential to become many different types of cells.
10. Separation of two nuclei and cell contents into two daughter cells.
11. A sponge develops an outgrowth that becomes a genetically identical sponge. What is this method of reproduction called?
12. In this stage of mitosis, spindle fibres shorten, contract, and sister chromatids move to opposite poles of the cell.
13. An identical genetic copy of a parent.
14. One-celled eukaryotic organisms like the amoeba reproduce by this method.

## Down

1. This type of cloning is used to correct health problems.
2. The process of DNA copying itself.
5. The world's most famous cloned sheep.
6. The stage of the cell cycle in which cells carry out normal functions necessary for survival.
8. This is the method of attaching cuttings from one tree onto the trunk of another.
9. Fungi produce these cells that grow into new individuals by mitosis.
10. The name given to certain diseases that result from uncontrolled cell division.

**Across**

15. When the broken-off piece of an organism develops into a genetically identical copy of the parent organism.