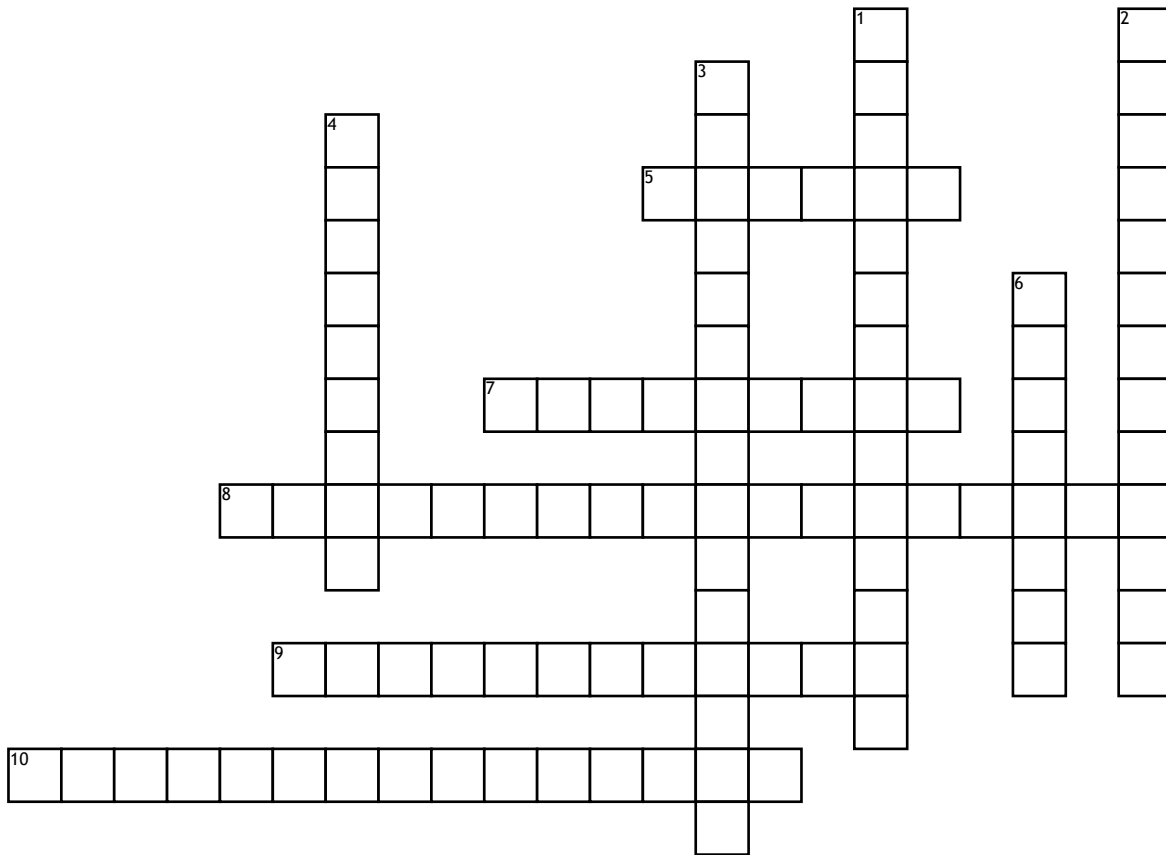


# Engineering Crossword



## Across

5. In gene technology, anything that can carry/insert DNA into a host organism e.g. plasmids, viruses and certain bacteria
7. Viruses genetically modified to have no virulence can be used to make vaccines as they still have antigens on them
8. Endonuclease enzymes that cleave DNA at specific recognition sites
9. DNA can be packaged into a bacteriophage which can then transfect the host cell
10. A high voltage pulse is used to disrupt the membrane

## Down

1. A composite DNA molecule created in vitro by joining foreign with a vector molecule such as plasmid
2. Electrical fields introduce DNA into cells
3. Method for introducing a vector with a novel gene into a cell by using a pulse of electricity to make the cell membrane more porous
4. An enzyme that catalyses the joining of sugar phosphate groups within DNA
6. Small loops of DNA in prokaryotic cells