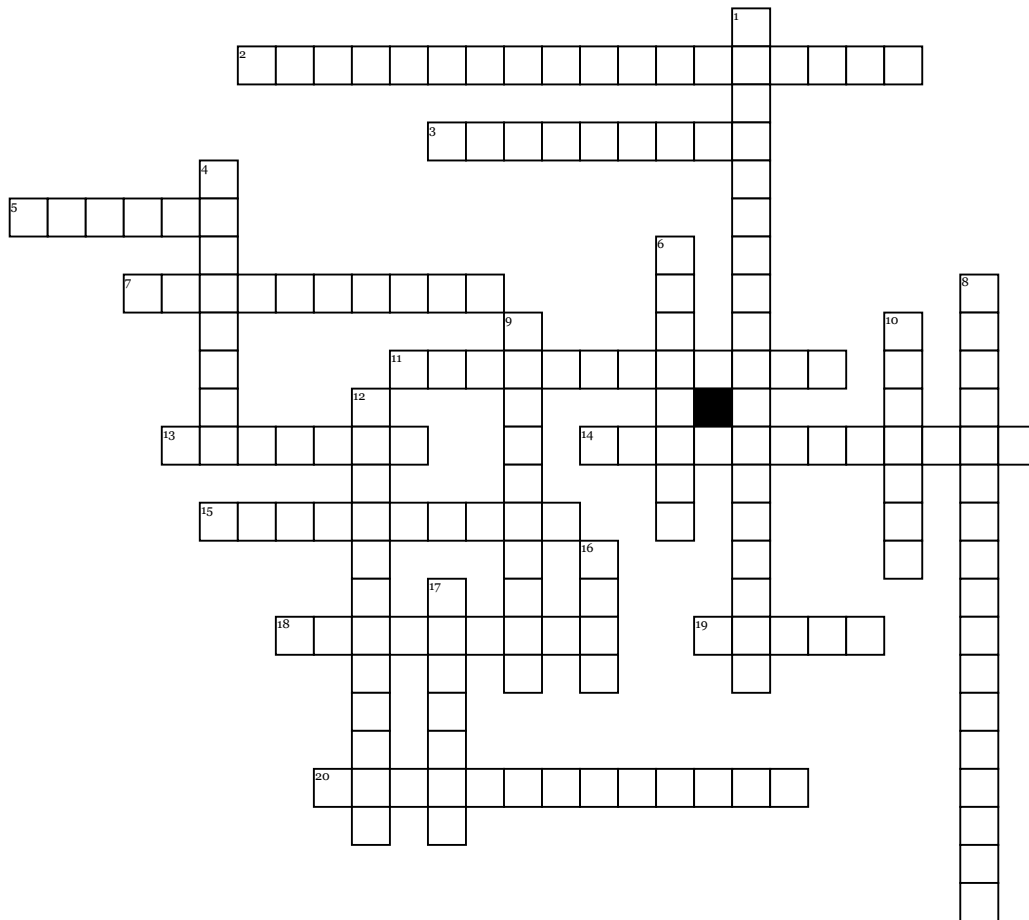


# Biotechnology Crossword Puzzle



## Across

**2.** It is a process of manually adding new DNA to a living organism through artificial methods.

**3.** A description of your actual physical characteristics.

**5.** Common naturally occurring pyrimidine found in RNA.

**7.** An instrument that magnifies objects otherwise too small to be seen, producing an image in which the object appears larger

**11.** Study of microscopic organisms, such as bacteria, viruses, archaea, fungi and protozoa.

**13.** Protein that helps keeps your blood sugar level from getting too high.

**14.** Study of chemical processes within and relating to living organisms.

**15.** A type of phagocyte, which is a cell responsible for detecting, engulfing and destroying pathogens and apoptotic cells.

**18.** Change in the heritable characteristics of biological populations over successive generations.

**19.** A small infectious agent that replicates only inside the living cells of other organisms.

**20.** A broad discipline in which biological processes, organisms, cells or cellular components are exploited to develop new technologies.

## Down

**1.** Method for separation and analysis of macro-molecules and their fragments, based on their size and charge.

**4.** A negatively charged subatomic particle.

**6.** Branch of science that encompasses the description, identification, nomenclature, and classification of organisms.

**8.** An enzyme that cleaves DNA into fragments at or near specific recognition sites within the molecule known as restriction sites.

**9.** Organisms that have altered genomes

**10.** Small, circular piece of DNA that is different than the chromosomal DNA, which is all the genetic material found in an organism's chromosomes.

**12.** Rod-shaped organelles that can be considered the power generators of the cell.

**16.** Basic physical and functional unit of heredity.

**17.** Small tubes made of plastic, glass, or quartz and designed to hold samples for a variety of applications.

## Word Bank

Evolution

Microbiology

Mitochondria

Taxonomy

Genetic engineering

Restriction enzyme

Plasmid

Microscope

Gel Electrophoresis

Gene

Electron

Phenotype

Virus

Uracil

Biochemistry

Insulin

Cuvette

Transgenic

Biotechnology

Macrophage