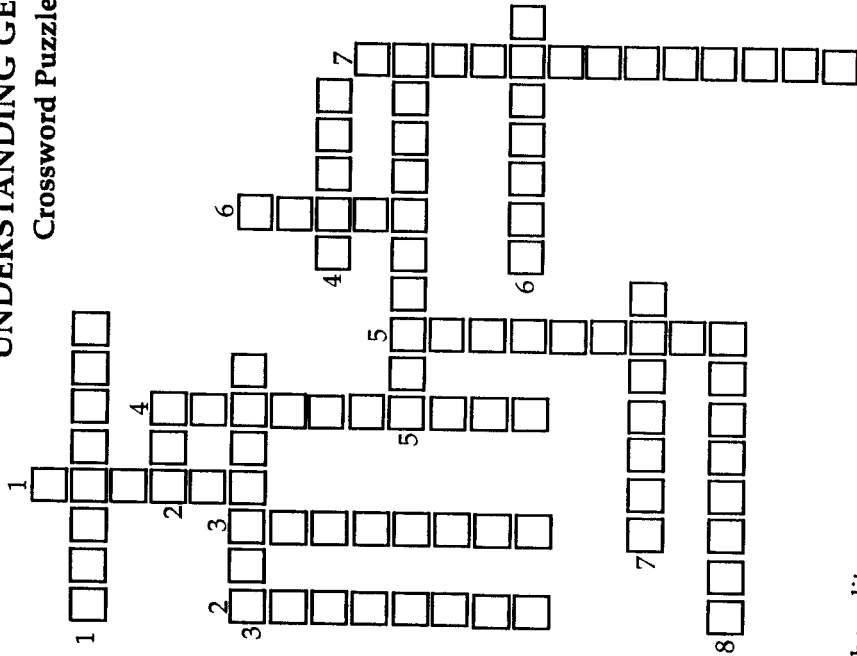


Name \_\_\_\_\_

## UNDERSTANDING GENETICS

### Crossword Puzzle



**ACROSS:**

1. The science of heredity.
2. Abbreviation for Deoxyribonucleic Acid.
3. A cell condition in which each chromosome is doubled.
4. They contain the instructions for building proteins.
5. Genes are found on these cell structures that become visible when cells divide.
6. Sex cells are created by this biological process that is also known as reduction division.
7. Half the diploid number of cells.
8. The actual genetic makeup or genes that an organism possesses.

**DOWN:**

1. Gregor \_\_\_\_\_ carried out the first scientific experiments on heredity using pea plants.
2. The most powerful genes are said to be \_\_\_\_\_
3. Enzymes are a class of \_\_\_\_\_ that make it possible for chemical reactions to take place in cells.
4. Enzymes are made up of long chains of these components.
5. Weaker genes are said to be \_\_\_\_\_.
6. A organism's physical traits make up its \_\_\_\_\_ type.
7. The fusion of the male and female sex cells is called \_\_\_\_\_