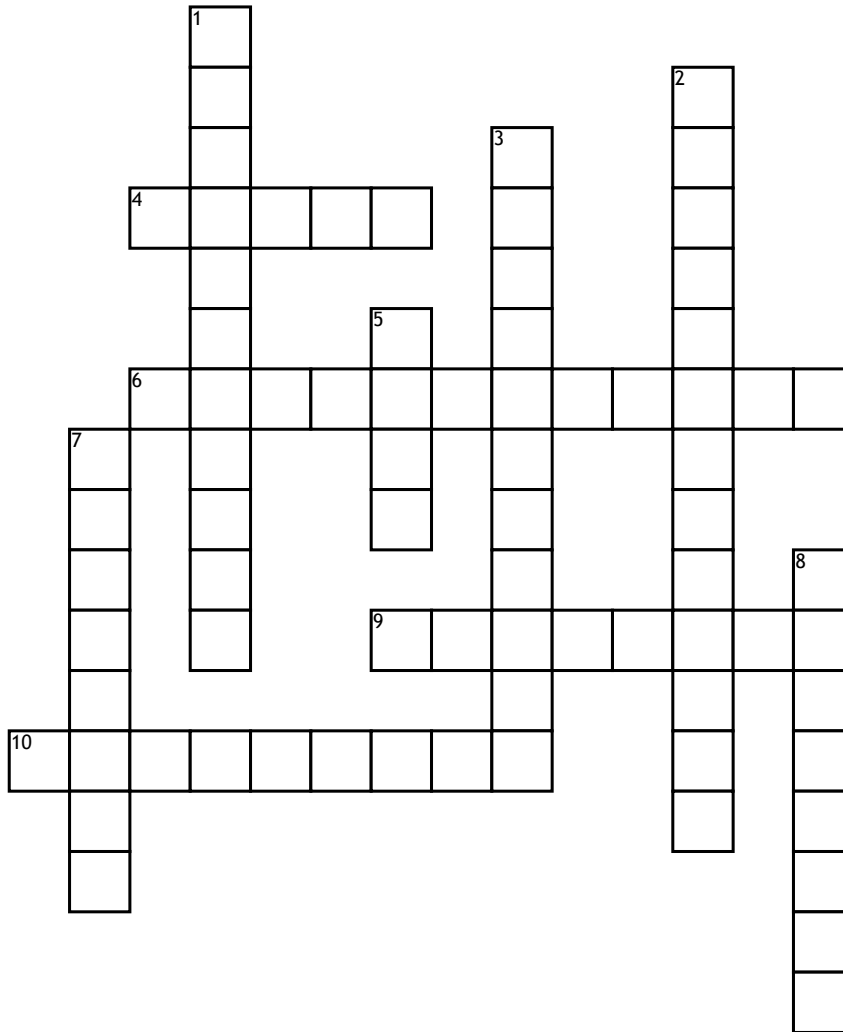


# Bases of eco and epigenetics



## Across

4. What enzyme is responsible for copying methylation marks from the parental to the daughter strand of DNA during replication?
6. If you are \_\_\_\_ for a particular gene, it means that you can carry both a dominant and recessive allele of that gene.
9. In human DNA which nucleotide base is methylated at the 5' position?
10. Twins share only half their genes

## Down

1. Which type of the RNA is responsible for the translation of genetic information.
2. Changes in a gene sequence that occurs in a significant portion of the population (more than 1%) are referred to as :
3. Twins share all of their genes
5. Which of the following is not a non- coding RNA ?
7. What are histones?
8. If epigenetic changes occur within \_cells they can be transmitted from one generation to the next.

## Word Bank

Cytosine

mRNA

DNMT1

Heterozygous

Proteins

TransferRNA

Monozygotic

Germ line

Polymorphisms

Dizygotic