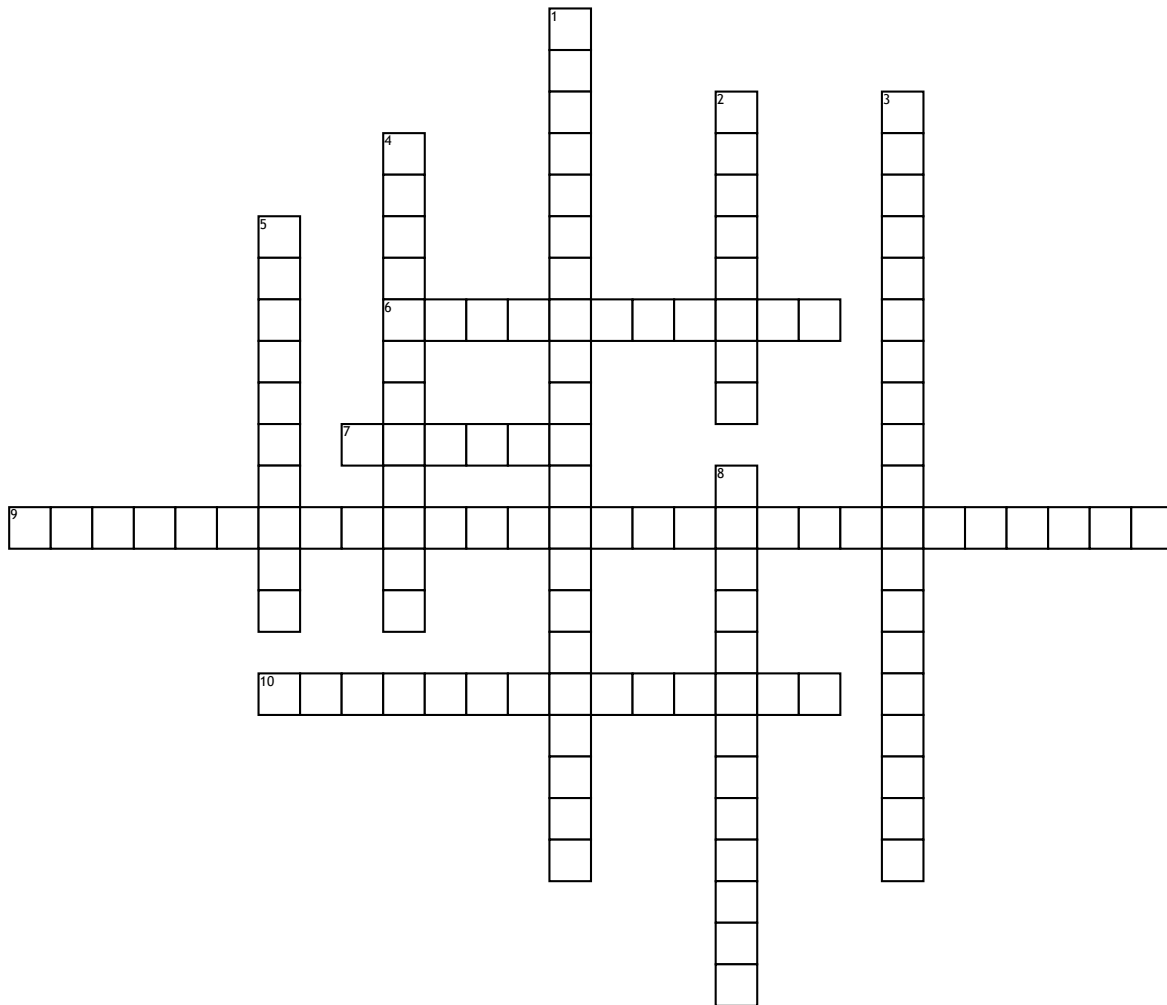


Name: _____

BASIS OF ECO AND EPIGENETICS



Across

6. A common type of epigenetic modification is called__

7. First human disease to be linked to epigenetics?

9. A type of immunoprecipitation experimental technique used to investigate the interaction between proteins and DNA in the cell

10. Epigenetics is the study of heritable changes in

Down

1. What enzymes responsible for copying methylation marks from the parental to the daughter strand of DNA during replication?

2. What are histones?

3. A covalent post transitional modification to histones proteins which includes methylation, phosphorylation, acetylation, ubiquitylation and sumoylation?

4. An interaction between alleles that leads to a mitotically and meiotically heritable change in gene expression?

5. In 1942 the term epigenetics which was coined by

8. Regulation of gene expression in a cell to prevent the expression of a certain gene