

1. Describe the causes of natural selection.

2. Describe the importance of phenotypic variation in a population from an evolutionary standpoint. List sources of variation in sexually reproducing populations.

3. Explain how humans affect diversity within a population. Provide an example

4. Natural selection is not random but there are random occurrences that affect the genetic make up of a population. Explain

5. Describe the conditions under which allele and genotype frequencies will change in populations.

6. Describe the types of data that provide evidence for evolution. Pick one and provide an example.

7. Describe structural and functional evidence on cellular and molecular levels that provides evidence for the common ancestry of all eukaryotes.

8. Explain how evolution is not goal oriented. Explain why good traits are relative.

9. Describe the types of evidence that can be used to infer evolutionary relationship.