1. Explain how the frequency of alleles in a gene pool is changed by;

-Gene flow

-Natural selection

-Random genetic drift

-Founder effect

2. Discuss the symptoms, populations affected, effects on gene pool of;

-Tay-Sachs

-Thalassemia

-Sickle-cell anaemia

3. Describe the process of natural selection

4. Give examples of natural selection

5. Recall the main points of the theory of evolution

6. Describe how speciation occurs

7. Describe how the following can be used as evidence for evolution:

-DNA (genome and mitochondrial) comparison

-Protein sequence comparison

-Embryology

-Homologous Organs

-Vestigial Organs

8. Describe why fossils don’t give us an accurate/complete picture of biodiversity in past times/locations

9. Describe how we can create a timeline using dating techniques

10. Describe how we can date using relative techniques such as stratigraphy and index fossils.

11. Describe how we can date using absolute techniques such as radiocarbon and potassium-argon dating?

12. What are the limitations of each method?