UNIT 4: EVOLUTION    TOPIC C: SPECIATION

Essential Idea(s)
- Gene pools change over time.

IB Assessment Statements and Class Objectives:

5.1.U5: Populations of a species can gradually diverge into separate species by evolution.
- Describe the process of gradual speciation.

4.1.U2: Members of a species may be reproductively isolated in separate populations.
- Define population.
- Outline how reproductive isolation can lead to speciation.

4.1.U1: Species are groups of organisms that can potentially interbreed to produce fertile offspring.
- Define species according to the biological species concept.
- Describe limitations of the biological species concept.

VOCABULARY:

- Population – all the organisms of the same group or species which live in a particular geographical area

- Species – groups of interbreeding natural populations that are reproductively isolated from other groups

- Gradual speciation – species diverge slowly over time in small steps

- Reproductive isolation – prevent members of different species from producing offspring