

## ***Life Sciences, Grade 11, Human Impact***

### **Written questions**

#### **Question 1: Atmosphere and Climate Change**

- 1.1 Define "Enhanced Greenhouse Effect" and explain how it leads to "Global Warming".
- 1.2 Identify the two main consequences of global warming mentioned in the notes.
- 1.3 Describe the role of the "Ozone (O<sub>3</sub>) layer" in the stratosphere and explain what "Chlorofluorocarbons (CFCs)" do to it.

#### **Question 2: Biodiversity Loss and Human Activities**

- 2.1 Define "Biodiversity" and explain two reasons why its loss is a concern.
- 2.2 Explain how "Habitat Destruction" contributes to a loss of biodiversity, providing an example of an activity that causes it.
- 2.3 Discuss how "Alien Plant Invasions" negatively impact indigenous plant species and contribute to biodiversity loss.

#### **Question 3: Resource Management and Waste Disposal**

- 3.1 Explain the "Three R-principles" (Reduce, Re-use, Recycle) and discuss two advantages of recycling for the environment and economy.
- 3.2 Describe what "Nuclear Energy" is and explain the main problem associated with the waste it generates.
- 3.3 Outline the disposal methods for "Low-level waste" and "High-level waste" from nuclear energy, highlighting the key difference in their radioactivity and disposal approaches