**Video Guide: Life in the Soil**

***Life in the Soil***

1. Describe how the soil web contributes to the carbon cycle.
2. Briefly describe the structure and functions of the following organisms:
   1. Bacteria –
   2. Fungi –
   3. Actinomycetes –
   4. Algae –
   5. Protozoa –
   6. Nematodes –
   7. Arthropods –
   8. Earthworms –
   9. Mammals –

***Benefits and Management of Soil Organisms***

1. Define rhizosphere.
2. Describe the parts of the nitrogen cycle, focusing on the beginning and end product it produces.
   1. Mineralization –
   2. Nitrogen Fixation –
   3. Nitrification –
   4. Denitrification
3. Identify a biological process in the soil that can contribute to climate change.
4. Differentiate between Rhizobia and Mycorrhizae.
5. Describe the benefits of mycorrhizae.
6. Describe ways to manage soil organisms.