1. What is Ecology?
   a. Definition

   b. Units and approaches in ecology
      i. Organisms

      ii. Populations

      iii. Communities

      iv. Ecosystems

      v. Biosphere

   c. Ecology and the diversity of life
      i. Ecology and the evolution of biodiversity

      ii. The ecological characteristics of organisms and their roles in ecosystems

2. Abiotic factors and ecology
   a. Temperature, water, sunlight, wind, soil, salinity
3. The physical conditions on land
   a. Global climate patterns

   b. Local and seasonal effects on climate

   c. Soils

4. The physical conditions on oceans
   a. Ocean currents
b. Light, temperature and chemical gradients

5. The biological environment
   a. Terrestrial

b. Aquatic