1. Draw a schematic diagram showing the sources of soil pollution.
2. What are the major types of soil pollutants?
3. What processes will affect the interactions between metal ions and soil surfaces?
4. List the metal ions essential for plants and animals
5. Give two examples for radionuclides.
6. What are the most abundant radionuclides found in soils, originating from nuclear power generation?
7. Emissions from coal power plants produce-------------------------
8. What is the typical radioactive element found in coal fly ash from coal power plants?
9. Which of the following organic substances are known to be polycyclic aromatic hydrocarbon (PAH)?
10. toluene b) benzene c) xylene d) ethyl benzene e) naphthalene f) pyrene
11. What are the typical pollutants emitted by vehicles in highways?
12. Explain the chemical pathway, leading to enhanced soil acidity as a result of transport activities in highways.
13. What are the typical contaminants found in sewage sludge from municipal wastewater treatment plants?