1. Which is the role of engineering in relationship with the environmental stewardship concept?
2. Name three activities that impact air quality
3. Name three activities that impact soil quality
4. What is the difference between primary and secondary water quality standards?
5. What is the difference between smoke and smog?
6. What do the following acronyms stand for: EPA, PM, NAAQS and IPCC
7. Which are the four characteristics that define hazardous wastes?
8. Specify the wavelength of Ultra-Violet and Infra-Red radiation?
9. What is the average production of solid wastes per capita/per day
10. What is the atmospheric window?
11. Which is the typical test developed to evaluate toxicity?
12. What do we mean, when we refer to Low Level Radioactive Wastes?
13. 1What is the relationship between environmental engineering and sustainable development?
14. Name three activities that impact water quality
15. If the equivalent CO2 emissions are reduced from 1.26x105 tonnes per year to 7.6x104 by replacing coal with natural gas, what is the % reduction in emission?
16. What is the difference between primary and secondary air quality?
17. Define acid rain by describing how it is formed
18. What do the following acronyms stand for: VOC, CAA
19. Which are the four characteristics that define hazardous wastes?
20. Name an environmental impact and benefit for each of the following energy sources: a) solar, b) biomass

Explain the positive and negative radiative forcing and give examples

Name some of the less most important greenhouse gases

1. Define the climate sensitivity factor
2. How much is the carbon content (weight %C) of crude oil?
3. What do you mean when you refer to transuranic wastes?
4. What is green engineering?
5. Explain the main results of the tests done in the test station in Vostok, Antarctica
6. Name 3 activities that impact groundwater quality
7. What is the difference between primary and secondary air quality standards?
8. Define acid rain by describing how it is formed
9. Name an environmental impact and benefit for each of the following energy sources: a) solar, b) wind
10. Which are the two modes of Radiative Forcing?
11. Define the climate sensitivity factor
12. What is Carbon Sequestration
13. What do you mean by Stratospheric Ozone Depletion?