Answer the following questions. Questions in boldface are required; the others are optional.

1. Explain the authors' two meanings of environmental ethics given near the bottom of p. 220 and give an example of each.

2. Do you believe that Adam Smith's “invisible hand” (see p. 221) provides a morally satisfactory explanation of capitalism? Explain.

3. What is meant by the “tragedy of the commons” described on p. 221? Give an example.

4. How ought the environmental costs of gasoline be internalized? Justify your answer ethically.

5. Why is it important that “... all engineers should reflect seriously on environmental values and how they can best integrate them into understanding and solving problems”?

6. Discuss the definition of sustainable development near the bottom of p. 224 with respect to your own personal moral principles.

7. How might your future work as an engineering help or harm the environment? What might you do (or not do) to minimize that harm? Should you?

8. Discuss the adequacy of each of the ethical frameworks discussed on pp. 232 – 237.

9. Are your own personal moral principles as formulated earlier this term adequate to address environmental ethics? If so, how, and if not, how would you reformulate them to be so?