

Chapter 8.1 questions (read page 296 – 305)

1. Tree rings provide a history of the environment. What do thick rings and thin rings mean?
2. What can be determined by the types of rings a tree has?
3. What are the four main greenhouse gases and which one is not included in global warming studies?
4. Define Global warming potential and Persistence.
5. Which greenhouse gas is the worst and why?
6. What activities have changed to increase the concentration of greenhouse gases?
7. What does anthropogenic greenhouse effect mean?
8. What is the difference between carbon source and carbon sink (use examples)?
9. Describe 3 activities that contribute to greenhouse gas emissions.

Chapter 8.2 questions (read page 308 – 317)

1. Describe 5 ways that climate change has affected the atmosphere.
2. Describe 3 ways that climate change has affected the hydrosphere.
3. Describe 3 ways that climate change has affected wildlife.

Chapter 8.3 questions (read page 322 – 327)

1. How can climate change affect the economy?
2. List 5 ways that climate change could affect societies.
3. What is a positive feedback loop?
4. Are there any positives to climate change? If so provide some examples.

Chapter 9.1 questions (read page 336 – 345)

1. Describe the information we can extract from figure 9.5 and figure 9.6.
2. How have aerosols affected our ability to predict climate change?
3. What is the Kyoto protocol?

Chapter 9.2 questions (read page 350 – 357)

1. Define
 - a. Mitigation
 - b. Sequestering
 - c. carbon footprint
 - d. emissions trading
 - e. carbon tax.
2. Provide 4 large scale activities that can reduce the impact of climate change.