1. What is an ideal gas? What is the ideal gas equation of state? Be sure and define terms.

2. What does adiabatic mean?

3. What is the difference between heat and internal energy?

4. What does the following equation \( \gamma = \frac{C_p}{C_v} \) define? See section 21.2 of text.

5. What is the first law of thermodynamics? Be sure and define terms.