

Thermodynamics Worksheet

Directions: Write the answers to the following questions in the spaces provided. Where appropriate, make complete statements.

1. What is thermodynamics?

2. What is internal energy?

3. State the first law of thermodynamics.

4. What is an adiabatic process?

5. How does a heat pump differ from a heat source?

6. What is an isothermal process?

7. What is an ideal heat engine?

8. What change in operating conditions increases the efficiency of an ideal heat engine?

9. State the second law of thermodynamics.

10. State the law of entropy.