CHEM 3111 Inorganic Chemistry: Thermodynamics

1. What is the most important law of thermodynamics?

A. The first law of thermodynamics
B. The second law of thermodynamics
C. The third law of thermodynamics

2. What is the first law of thermodynamics?

A. The law of conservation of energy
B. The law of conservation of mass
C. The law of conservation of momentum

3. What is the second law of thermodynamics?

A. The law of conservation of energy
B. The law of conservation of mass
C. The law of entropy

4. What is the third law of thermodynamics?

A. The law of conservation of energy
B. The law of absolute zero
C. The law of entropy

5. What is the zeroth law of thermodynamics?

A. The law of conservation of energy
B. The law of absolute zero
C. The law of entropy

6. What is the definition of entropy?

A. A measure of the disorder of a system
B. A measure of the energy of a system
C. A measure of the mass of a system

7. What is the definition of enthalpy?

A. A measure of the disorder of a system
B. A measure of the energy of a system
C. A measure of the heat content of a system

8. What is the definition of Gibbs free energy?

A. A measure of the disorder of a system
B. A measure of the energy of a system
C. A measure of the free energy of a system

9. What is the definition of heat?

A. A measure of the disorder of a system
B. Energy transferred between systems
C. A measure of the entropy of a system

10. What is the definition of work?

A. Energy transferred between systems
B. A measure of the entropy of a system

C. Energy transferred from one system to another that does not result in a change in temperature