

Properties and Changes – Supplemental Worksheet

- 1. Define the following:
 - a) System
 b) Surroundings
 c) Universe
 d) State functions
 e) Extensive properties
 f) Intensive properties
- 2. True or False:
 - a) The amount of Energy will depend on the initial and final states.
 - b) A closed system exchanges energy and matter with the surrounding.
 - c) Energy flows between the system and the surrounds, but remains constant.
 - d) State function are always extensive.
 - e) The ratio of 2 extensive properties is still an extensive property.
- 3. List measurements of state functions.

4. Do extensive properties or intensive properties reveal more about an unknown substance? Explain.

5. Does the energy change associated with a physical change depend on the initial and final states? Explain.