**Name:**

**Date:**

**School:**

**Facilitator:**

5.03 Biomass and Geothermal Energy

**Directions: Answer the following questions.**

1. Why is biomass energy considered a type of potential energy before it is burned?
2. List two example of biofuels that can be used to do work—i.e. generate electricity or power automobiles.
3. In two to three sentences, describe how landfill gas is “produced” and what carbon compound makes up landfill gas?
4. Where is geothermal energy generated? Name two natural phenomena that are results of this energy.
5. Is geothermal energy readily available in all areas? Where in the United States are geothermal reservoirs the most abundant and reliable? Explain why they are more abundant and reliable in these areas.
6. List 1 advantage and 1 disadvantage for biomass energy.
7. List 1 advantage and 1 disadvantage for geothermal energy.