

Work, Power and Simple Machines Study Guide

Name \_\_\_\_\_ assign.# \_\_\_\_\_

1. Identify and explain different forms of energy. (Give an example of each- -Chemical, Electrical, Mechanical, Nuclear, Radiant, Sound, Thermal)

2. Identify energy sources. (Briefly explain- -Fossil, Geothermal, Hydroelectric, Nuclear, Solar, Wind)

3. Explain what affects the amount of kinetic and potential energy in a system.

4. Calculate the amount of kinetic and gravitational potential energy in a system. Work one example each.

5. Explain different types of potential energy.

6. Identify energy transformations /conversions within a system (e.g. lighting of a match). Give two other examples and explain the energy conversion.

