Chapter 14: Study Guide Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Work, Power, and Simple Machines Physical Science

Know the Vocabulary from the Note Packet

Be able to calculate Work, Power, Ideal Mechanical Advantage, Actual Mechanical Advantage

Work Output is always less than Work Input because of Friction

Efficiency is always less than 100% because of Friction

Know the give and take of a machine in terms of Force and Distance (What you gain in Force…)

Know the 6 Simple Machines

Lever, Wheel and Axel, Pulley, Inclined Plane, Wedge, and Screw

Be able to distinguish between a 1st, 2nd, and 3rd class lever (what is in between)

Know how to increase the mechanical advantage of each. (Increase the input distance)

Be able to give two examples of each simple machine.