

Chapter Thirteen Science: Motion, Work, and Machines Objectives

Lesson Four

- 1) How are height and speed related?
- 2) Distinguish between potential and kinetic energy.
- 3) Give examples of transformation of energy.
- 4) What is work?

Lesson Five

- 1) Explain the effect of applying force at different points on a lever.
- 2) Explain how levers are simple machines.
- 3) Calculate mechanical advantage to describe simple machines.

3) How are pulleys and wheel and axles machines?

Lesson Six

1) How do ramps affect the force needed to move an object?

2) How are inclined planes machines?

3) Identify screws and wedges as kinds of inclined planes.

4) What does efficiency mean?