

Review Chapter 12

Name:

1. Why do we use a machine?
2. Describe a first class lever and give examples.
3. Describe a second class lever and give examples.
4. Describe a third class lever and give examples.
5. List **all** the units used for power.
6. List **all** the units used for work.
7. How do you figure out the mechanical advantage of a ramp?
8. What is the mechanical advantage of a fixed pulley, a single movable pulley and a block and tackle.
9. What is a compound machine? Give examples.

10. State the law of conservation.
11. How do you figure out efficiency of a ramp?
12. What factors are needed to calculate gravitational potential energy?
13. Do problems 21,22 and 23 from page 411. Show all work!!