Chapter 4 Work and Simple Machines

Work and Power (pg 98 - 102)

1. Define work.

2. What 2 things are required to do work?

3. To do work, how must a force make an object move?

4. What is the work equation?

5. What is the SI unit for work?

6. What is power?

7. What is the SI unit for power?

8. What is kinetic energy?

9. What is potential energy?

10. Determine 2 ways to increase power.

Using Machines (pg 104 - 108)

11. What is a machine?

12. Define input force.

13. Define output force.

14. What is mechanical advantage?

15. What is the mechanical Advantage equation?

16. Why is there no unit in mechanical advantage?

17. What is efficiency?

18. What is the efficiency equation?

19. List one way to reduce friction.

Simple Machines (pg 109 - 115)

20. What is a simple machine?

21. What is a compound machine?

22. Define inclined plane.

23. What is the formula for work?

24. What is a wedge? Give 2 examples.

25. What is a screw? Give 3 examples of a screw.

26.What is a lever?

27. How many classes of levers are there?

28. What is a fulcrum?

29. Define wheel and axle.

30. List 3 examples of wheel and axles..

31. What is a pulley?

32. What is a fixed pulley?

33. What is a movable pulley?