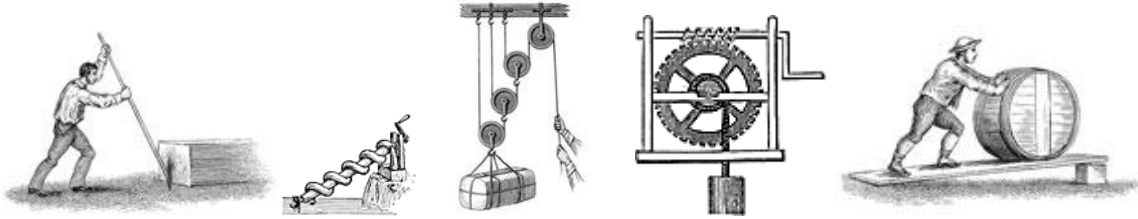


*Homework for Simple Machines  
Week #4 The Wedge & Screw*



Answers for #1-6 can be found on the handout

1. The \_\_\_\_\_ is an inclined plane that tapers to a sharp edge.
2. One way that a wedge is used is to be forced between two things to hold them tightly together. An example of a wedge used like this is \_\_\_\_\_
3. Wedges can be used to split, cut or \_\_\_\_\_
4. Name four samples of a wedge: \_\_\_\_\_, \_\_\_\_\_  
\_\_\_\_\_, \_\_\_\_\_
5. The \_\_\_\_\_ is an inclined plane wound around a central cylinder.
6. What are the two parts of a screw? The body and the \_\_\_\_\_

Questions from IGW p234-237

7. In the section on page 235 under 'the steam engine', what is another name for the firebox of the steam engine? \_\_\_\_\_
8. The heat from the burning fuel changes water into steam inside the steam engine's \_\_\_\_\_.
9. In 1969, a young Scottish instrument maker named \_\_\_\_\_ patented his own improved version of the steam engine.
10. On page 237, what does it say is another name for combustion? \_\_\_\_\_
11. What type of energy is stored in fuels? \_\_\_\_\_

*After you have completed your homework, you may turn over to check your answers.*

*1)wedge 2) nail or doorstep 3) fasten 4) ax head, log splitter, chisel, knife, etc 5) screw  
6) thread 7) furnace 8) boiler 9)James Watt 10) burning 11) chemical or potential*