

Worksheet: Simple Machines

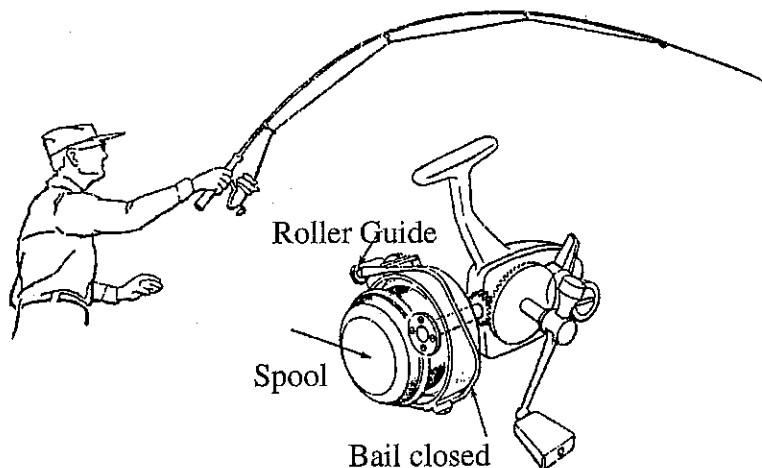
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1. Simple machines defined:
 - a. Lever – is any rigid bar free to turn about a pivot point (fulcrum).
 - b. Pulley – is a grooved wheel freely rotating about an axle.
 - c. Inclined plane – is a slanted surface used to raise objects.
 - d. Wedge – is a double inclined plane.
 - e. Screw – is a circular inclined plane.
 - f. Wheel & axle – is a wheel rigidly attached to an axle.
2. Give two or more examples of each of the simple machines:

Machines	Examples	Student Examples
*Lever	Claw hammer	
Pulley	Pulley on a flag pole	
Wheel & axle	Screwdriver	
*Inclined plane	Sloping driveway	
Wedge	Chisel	
Screw	Spiral Staircase	

* Basic types only

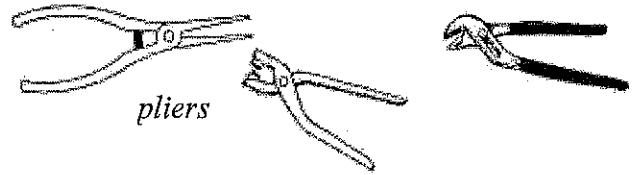
3. Label and locate by using arrows all the simple machines that you can find in the complex machine below:



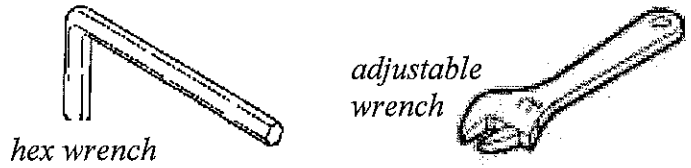
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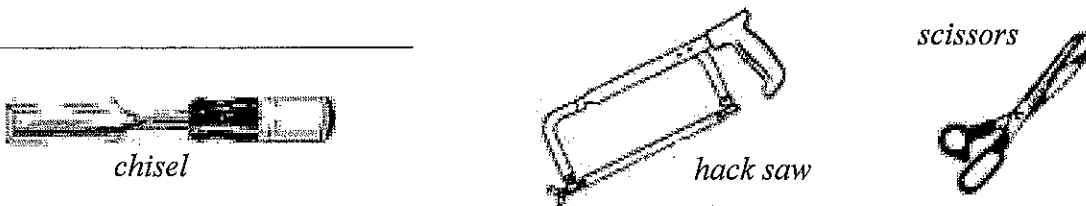
4. Which of the simple machines is in each of the pliers?



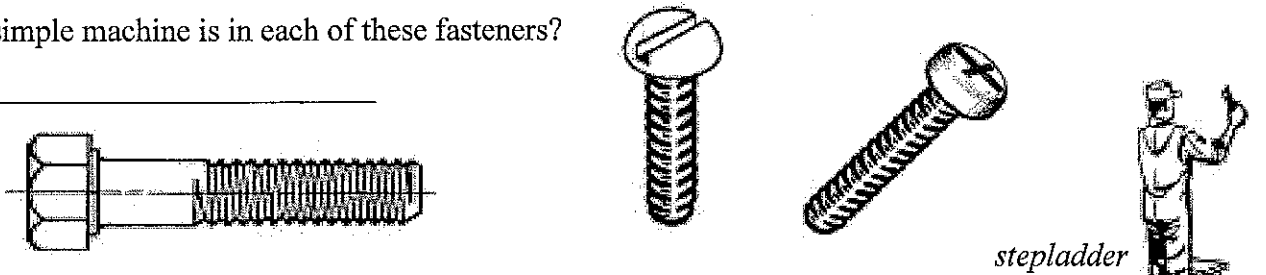
5. Which simple machine is in each of the wrenches?



6. Which simple machine is in each of these cutting tools?

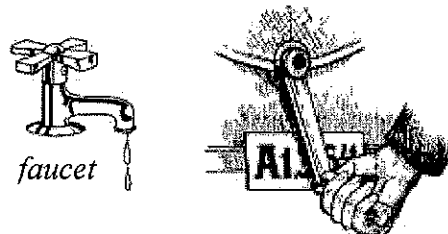


7. Which simple machine is in each of these fasteners?



8. Which simple machine is in the stepladder?

9. Which simple machine is in each of these handles?

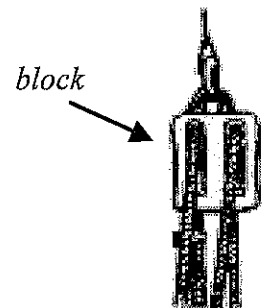


10. Which simple machine is in a screwdriver used to drive screws?



11. Which simple machine is in a screwdriver used to pry off a can lid?

12. Which simple machine is in the block of a block and tackle?



13. Which simple machine is in each of the devices below?

