Chapter 12	: Work	& Machines
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Worksheet:	Simple	Machines
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Period Date

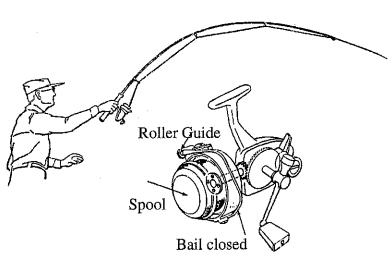
(Frameworks Code)

- 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	

<sup>\*</sup> 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?	pliers	
5.	Which simple machine is in each of the	wrenches?	wre	astable nch
6.	Which simple machine is in each of thes		scissors	
	chisel	ha	scissors ack saw	
7.	Which simple machine is in each of thes	e fasteners?		<b>3</b>
			Of the state of th	stepladder
8.	Which simple machine is in the stepladd	er?		₫Ŵ
9.	Which simple machine is in each of thes	e handles?		
10.	. Which simple machine is in a screwdrive	er used to drive screw	s?	
	Lucia Lucia de	screw	driver	
11.	. Which simple machine is in a screwdrive	er used to pry off a car	n 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?	blo	OCK THE TOTAL PROPERTY OF THE TOTAL PROPERTY
	rubber mallet tennis i	racquet paint	t brush	
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