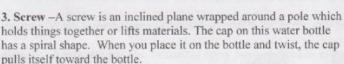
Simple Machines

Machines that have few or no moving parts are called simple machines. The six simple machines are the lever, pulley, screw, wheel and axle, wedge and inclined plane.

- 1. Wedge A wedge is an object with at least one slanting side ending in a sharp edge, which cuts materials apart. An axe is used to chop wood. The metal part chops through the wood, pushing it apart into two smaller sections.
- 2. Lever A lever is a stiff bar that rests on a support called a **fulcrum** which lifts or moves loads. The center of this seesaw is used to balance the board with the seats. The children can easily move up and down without much force.



- 4. Wheel and Axle A wheel with a rod, called an axle, through its center lifts or moves loads. When you turn the large knob on a door, a rod on the inside releases the latch that holds the door closed. It would be difficult to turn the rod if the knob wasn't attached to it.
- 5. Pulley A pulley is a simple machine that uses grooves wheels and a rope to raise, lower or move a load. A wheel with a rope is used to hoist the flag up to the top of a tall flagpole. This simple machine can also be used to help lift heavy objects with less force.
- 6. Incline Plane An inclined plane is a slanting surface connecting a lower level to a higher level. A ramp is used for loading this truck. A mover can pull a cart with a heavy object up the ramp. This is much easier than lifting heavy objects into the truck.











Date:	III 5 FOL
The seesaw is an example of which simple machine? [1]	1
2. The door knob and rod make up which simple machine?	[1]
3. The wheel and rope makeup which simple machine? [1]	
4. Which simple machine is on the back of the truck in the	
5. Which simple machine is found on the head of the ax? [
6. What types of simple machines do you see in the picture	below? [4]
a. The slide is	a
b. The shovel is	A Port
c. The broom is	1 MILLE
d. The screwdriver is	