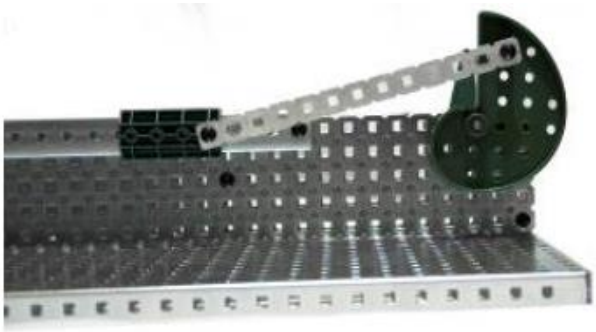
Name: _____ Date: _____

Build #6: Crank and Slider Per: _____



Crank and Slider - A pivot pin near the outside edge of a wheel or disk that changes _____ motion into _____ motion.

Questions:

1. Label the **crank and slide.**

2. The input to this system is what type of motion? (rotary, reciprocating, or linear)

3. The output of this system is what type of motion? (rotary, reciprocating, or linear)

4. How far does the slider move with each revolution of the crank?

5. If the diameter of the crank gear were increased, would the slider move a shorter or longer distance?

6. Is the flow of power reversible, i.e., can you make the crank gear turn by pushing the slider?