**Type Your Name:\_**

**Decrease & Increase Speed**

VOCABULARY :

Driver Pulley, Follower Pulley, Belt, Hub, Port, Clockwise, Counterclockwise, axel, rotation, ratio, motor speed, fast/slow rotations

**Build the Decrease Speed #9 model & Build the**

 **Increase Speed #10 model:**

1. In both Models do the pulleys rotate in the same direction or opposite direction?
2. In both Models do the pulleys rotate at the same speed?
3. Which pulley rotates **slower** in the Decrease speed #9 model the driver or the follower?

4. Which pulley rotates **faster** in the Increase speed #10 model the driver or the follower?