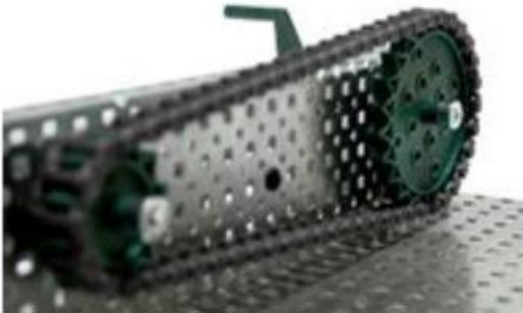


Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Build #5: Chain Drive

Per: \_\_\_\_\_



**Chain Drive A.**



**Chain Drive B.**

After building the above, answer the following questions:

1. Label the drive and driven gears.
2. What is the angle of the input shaft compared to the output shaft?
3. In gear train A, is the speed increased, decreased, or constant?
4. In gear train A, is the torque increased, decreased, or constant?
5. In gear train A, what is the input to output ratio?
6. What happens to speed, torque, and gear ratio if the smaller gear becomes the drive gear, which is shown labeled as image B?
7. Does the input shaft turn in the same or opposite direction of the output shaft, which is shown labeled as image A?
8. List an example of where this mechanism might be used. A helpful search term is *chain drive*.