

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

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

## Survival Build

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

Challenge: In order to survive, your group must build a machine that will rotate a solar collection disk from inside their lab. The machine must be located outside the building and around the corner. Requirements:

- Needs to have a minimum gear ratio of 1:5 or 5:1.
- Must be located around a corner.
- Needs to be angled towards the sun.
- Must be able to follow the sun (to be controlled by your crank).
- A maximum of 8 collars may be used.
- 1 base plate may be used.
- You must decorate your lab.



Who I am working with: \_\_\_\_\_

\_\_\_\_\_

Design Sketch (Be sure to point out mechanisms that will be used):