

Generating Electricity with Wind Worksheet

Rotor Design

Part A. List or draw and label specifications of the chosen rotor design.

Data Table A. Original Design

Trial	Voltage (V)	Milliamps (mA)	Power (mW)	Observations
Rotor Hub Facing Center of Fan				
Rotor Hub Above Center				

Part B. List all modification made or draw and label each change for the improved rotor design.

Data Table B. Modified Design

Rotor Position (Circle one)	Voltage (V)	Milliamps (mA)	Power (mW)	Observations
Center of Fan Above Center				

Post-Lab Questions and Calculations

1. Calculate the amount of power the improved rotor design generated in Part B and record in Data Table B above.

