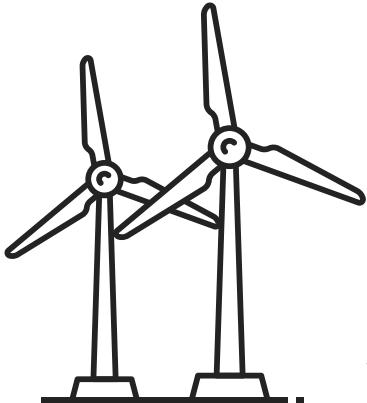


NAME: _____

Wind Turbine ACTIVITY

Objective: In this activity, you will investigate how different wind turbine blade designs affect the output energy of a classroom wind turbine.



Step 1: Using materials from your teacher, carefully draw and cut out 3 identical blades.

The material I chose for making my blades is:

Step 2: Conduct different blade design tests. Record the voltage output for each blade angle in the data table below.

Blade Design	Volts at _____°	Volts at _____°	Volts at _____°	Volts at _____°
Original Design	_____	_____	_____	_____
Modification 1: _____	_____	_____	_____	_____
Modification 2: _____	_____	_____	_____	_____

Bonus Questions!

Which Blade design produced the most energy? _____

Which Blade angle produced the most energy? _____

Why do you think that design and that blade angle produced the most energy?
