

Wind Turbine Characteristic Testing

Data Collection Sheet

Name/Team Members: _____

Characteristic tested: _____

RESEARCH

What do you know about this characteristic?

HYPOTHESIS

What do you think will be the best variation of this characteristic?

EXPERIMENTAL DESIGN

How will you test your hypothesis?

What variable will you change? _____

What will you keep the same? _____

What is your control? _____

TESTING

Characteristic Variation	Test 1 (V)	Test 2 (V)	Test3 (V)	AVERAGE (V)

RESULTS AND CONCLUSIONS

Which characteristic variation produced the most electricity? _____

Does this agree with your hypothesis? Explain why or why not.

What could you have done differently to make this experiment better?

EXTENSTION

Using the results of your testing and the results of the others in your class, design a set of wind turbine blades that you think would generate the most electricity. Use the space below to draw some of your ideas and make notes on the characteristics you would include.