

# *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.