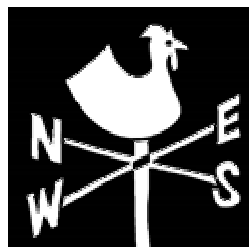


Name: _____ Date: _____

Team Name: _____

Anemometer Worksheet Answers



1. When the anemometer is rotating, what type of energy does it have?

Wind energy

2. Where did you place your anemometer outside?

Variable, depending on student choice

3. Measure the wind speed. Record your data in the table below.

The **rotational rate** is the number of anemometer spins per minute.

Trial	Time	Rotational Rate (rpm)
1		
2		
3		

4. What is the average rotational rate for your anemometer?

(Hint: Add your rotational rates and divide by 3.)

$(\text{Trial 1 rpm} + \text{Trial 2 rpm} + \text{Trial 3 rpm}) \div 3 = \text{Average rpm}$

5. Was this a good place for an engineer to place a wind turbine?

Why or why not?

Among all the student test sites, locations with the highest rpms would be the best places for a wind turbine. Steady wind is better, too.