Na	Name Date		Class	
НС	HOW DOES A WINDMILL WORK?			
<ol> <li>Draw a diagram of your windmill design in the space below. Label the following parts: blades, rotor, I Label these concepts: force, friction, distance (height of string).</li> </ol>			lowing parts: blades, rotor, hub, driveshaft	
2.	<ol> <li>Which of the following variables did you explore?</li> <li>Number of blades, blade shape, blade size, blade pitch (angle)</li> </ol>	ક), fan locati	on, wind speed, other (explain).	
3.	<ol> <li>Rank the variables in your design from most important to lea</li> </ol>	st importani	t.	

4.	What effect did the number of blades have on how much weight your windmill could lift?
5.	How did the pitch (angle) of the blades affect the amount of weight your windmill could lift?
6.	Draw a picture of your wind turbine and label the energy transfers or conversions that took place as you used the wind to lift weight.
7.	Explain the windmill design that had the best results. Why do you think this design worked best?