

Exploring Wind Energy

Name _____ Date _____ EN _____

Introduction to Wind

1. Explain what causes wind.

2. What is the wind speed of a gale force wind? _____

3. What would you expect to happen when there are gale force winds?

4. Winds are heat transfer by _____. (term is not actually used in the text- try to remember!)

5. What are three types of locations on Earth that would be best for wind farms?

6. Why are coastal regions so windy?

7. Where on earth do we expect very little wind? Why?

8. A North wind blows from the _____

9. A doubling of wind speed can result in _____ times the power produced.

10. Why should wind turbines be placed higher in the sky instead of close to the ground?

11. Compare and contrast wind shear and turbulence.

	Wind shear	Turbulence
Similarity		
Difference(s)		

