

Name: \_\_\_\_\_ Period: \_\_\_\_ Date: \_\_\_\_\_

**Environmental Science**  
**#6-4: Wind Turbine Competition ALTERNATE**

**PLEASE NOTE: You only need to complete this assignment if you were absent for or did not participate in the Wind Power Challenge in class.**

After [watching the episode of "Turbine Cowboys"](#) posted on Google Classroom, pick ONE of the prompts below and write a two paragraph response (3-5 sentences for each paragraph).

1. What do you think of the amount of maintenance required to keep wind turbines running? Do you think it's a reasonable level considering the size and constant motion of these machines, or do you think it's too much considering their relatively high cost? Explain why and give a supporting example from the show.
  
2. 'Turbine jockeys' have very interesting jobs – they always have lots of work to do, they get to travel and work outdoors, and they're well paid. On the other hand, the work they do is difficult and dangerous, sometimes involving hanging hundreds of feet above the ground by a rope in high winds. As more wind turbines are built around the country, more turbine jockeys will be needed. What do you imagine it would be like to be a turbine jockey? Would you ever be interested in having a job working on wind turbines? Why or why not?
  
3. In summer of 2012, Kenston High School [built a 750 kW wind turbine](#) that provides about 70% of their electrical needs during the school day and rolls back their meter after hours (which means they get money back from the electrical company as they generate extra power). The turbine they installed costs about \$1.6 million to construct. Do you think we should build a turbine like this at Roosevelt High School? Why or why not? Give a supporting example for your reasoning.