Work Virtual Lab

NAME _____

Event	Force (Newtons)	Distance (meters)	Parallel Directions YES/NO	Work=Force*Distance (Joules)

1. Of the events you explored, which animal did the most work? Why?

2. Using the scientific definition of work, explain why no work was done in one of the events.

3. Using the scientific definition of work, does a greater amount of forcealways result in a greater amount of work? Why or why not?

4. Using the scientific definition of work, does moving an object a greater amount of distance always require a greater amount of work? Why or why not?

5. List three additional real-world examples that show work being done.

6. What real-world examples show no work being done? Can you think of examples other than resisting the force of gravity?

http://www.glencoe.com/sites/common_assets/science/virtual_labs/E13/E13.html