Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[**PhET Sims ENERGY Computer Lab**](http://phet.colorado.edu/en/simulations/category/physics/work-energy-and-power)

***Physics—Work, Energy & Power***: Please run each of the following simulations. Explore them, change variables, figure out what they do. Then on your own paper, write a few sentences about what happens when you change the variables, and what you learned from that simulation.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. [**[Screenshot of the simulation Energy Skate Park: Basics](http://phet.colorado.edu/en/simulation/energy-skate-park-basics) Energy Skate Park: Basics**](http://phet.colorado.edu/en/simulation/energy-skate-park-basics) |  | |  |
| 1. [**[Screenshot of the simulation Masses & Springs](http://phet.colorado.edu/en/simulation/mass-spring-lab) Masses & Springs**](http://phet.colorado.edu/en/simulation/mass-spring-lab) |  | 1. [**[Screenshot of the simulation Energy Skate Park](http://phet.colorado.edu/en/simulation/energy-skate-park) Energy Skate Park**](http://phet.colorado.edu/en/simulation/energy-skate-park) | |
| 1. [**[Screenshot of the simulation Gas Properties](http://phet.colorado.edu/en/simulation/gas-properties) Gas Properties**](http://phet.colorado.edu/en/simulation/gas-properties) | 1. [**[Screenshot of the simulation Balloons & Buoyancy](http://phet.colorado.edu/en/simulation/balloons-and-buoyancy) Balloons & Buoyancy**](http://phet.colorado.edu/en/simulation/balloons-and-buoyancy) | | 1. [**[Screenshot of the simulation States of Matter](http://phet.colorado.edu/en/simulation/states-of-matter) States of Matter**](http://phet.colorado.edu/en/simulation/states-of-matter) |
| 1. [**[Screenshot of the simulation Nuclear Fission](http://phet.colorado.edu/en/simulation/nuclear-fission) Nuclear Fission**](http://phet.colorado.edu/en/simulation/nuclear-fission) | 1. [**[Screenshot of the simulation The Ramp](http://phet.colorado.edu/en/simulation/the-ramp) (make sure to explore the tab “other features” for energy) The Ramp**](http://phet.colorado.edu/en/simulation/the-ramp) | |  |