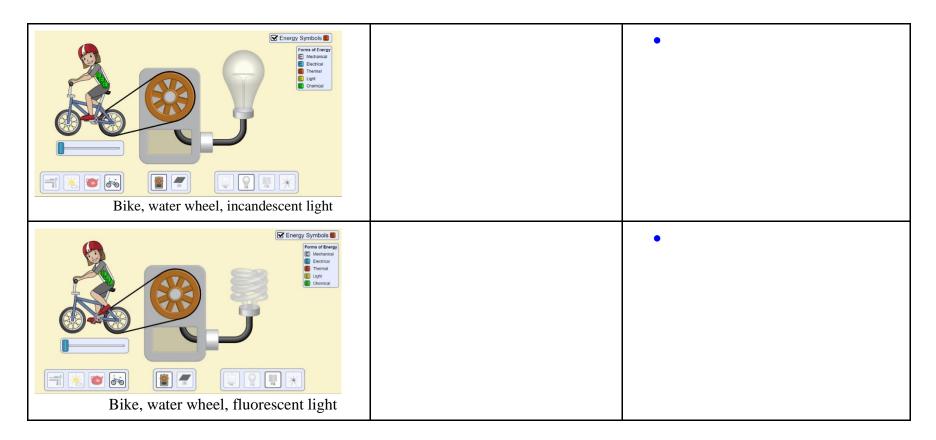
Energy Transfers Simulation

- 1. Open the pHet simulation: <u>Energy Forms and Changes</u> and the "Systems" tab. Be sure to click the box with "energy symbols" so you can see the energy types
- 2. Arrange the simulation to create each of the different configurations pictured below. Then, run the simulation for at least 30 seconds.
- 3. Describe what occurred and then name the transformations that you saw

Configuration	Description of what occurred	Transformation
Fenery Symbols II Terms of Story II sectoral Thomas Thomas Thomas Thomas	Tap on high, water wheel, heating beaker of water	 Mechanical → Electrical Electrical →
E Energy Symbols E Mechanical Thermal Late County County	Sun without clouds, solar panel, incandescent light	•
Energy Symbols Froms of Energy Logarity Townsial Constraint Const	Kettle, water wheel, fan	•



Questions:

- 1. Which is more efficient, the incandescent or fluorescent bulb? Explain your choice
- 2. Why did you have to feed the biker?
- 3. There are 5 forms of energy in this simulation, but we discussed 9 in class
 - a. Which 4 are missing?
 - b. Of those 4, should any of them be included in this simulation? Explain why/why not.