**PhET Energy Simulations**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

per \_\_\_\_\_\_\_\_\_\_\_\_



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(energy form)** |  |  | **transformed into/ transferred to** | **(what work or change it does)** |
| chemical | from the | girl’s digestion | transformed into mechanical | moves her legs |
| mechanical | from the | legs | transferred to wheels | moves the wheels  |
| mechanical  | from the | wheels | transformed to electrical | heats the wire inside the bulb |
| thermal | from the | wire | transformed to light | radiates out into the room. |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(energy form)** | **from the** |  | **transformed into/ transferred to** | **(what work or change it does)** |
| thermal | from the | burner | transferred to the1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the kettle | heats the water to steam |
| 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | from the | steam | transformed to mechanical | moves the wheel  |
| mechanical | from the | wheel | transformed to 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | heats the burner |
| thermal | from the | burner | transferred to the water | 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(energy form)** | **from the** |  | **transformed into/ transferred to** | **(what work or change it does)** |
| **5.** | from the | water | transferred to wheel | turns the wheel |
| mechanical | from the | wheel | transformed to **6.** | heats the wire in the bulb  |
| thermal | from the | wire | transformed to **7.** | xxxxx |





|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(energy form)** |  |  | **transformed into/ transferred to** | **(what work or change it does)** |
| **8.**  | from the | sun | transformed to **9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** by solar panel | heats burner |
| thermal | from the | burner | transferred to **10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | heats the water  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(energy form)** | **from the** |  | **transformed into/ transferred to** | **(what work or change it does)** |
|  | from the |  |  |  |
|  | from the |  |  |  |
|  | from the |  |  |  |

