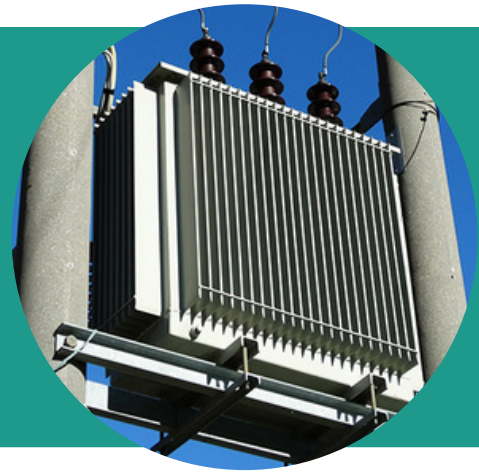


Pumped Hydro Storage

Re-Energy
Learner Worksheet
Grade Level 7-12



Name: _____

Data and Observations Chart

Record your observations for each temperature interval.

Trail	Design	Measurements	Observations
1	Height: Vol. Water:	Charge energy: Discharge energy: Difference:	
2	Height: Vol. Water:	Charge energy: Discharge energy: Difference:	
3	Height: Vol. Water:	Charge energy: Discharge energy: Difference:	
4	Height: Vol. Water:	Charge energy: Discharge energy: Difference:	
5	Height: Vol. Water:	Charge energy: Discharge energy: Difference:	

Chart Note:

The charge energy is the energy used to move the water from the lower reservoir to the upper reservoir. The discharge energy is the energy released when the water moves on its own from the upper reservoir to the lower reservoir.

Question

1. Explain why your results do or do not make sense. What was the overall energy difference? What does this mean?
