Lab 5 – energy required to boil water

Important: The work will start right at the beginning of lab – be ready to go or you might have to stay later or do some work at another time.

Split up into groups and choose a station.

Every group needs to record

* Energy and/or time to boil water
	+ Kw-hr
	+ Grams of wood burnt

Station 1: boiling water on a hotplate

 Use the kw meter to measure the amount of electrical energy it takes to boil 2 liters of water

 Instructions:

 Measure the water temperature

 Connect the kw meter to the hotplate cord

 Warm up the hotplate first

 Put the water on and start timing

Station 2: provecho stove

Station 3: propane stove

Station 4: twig stove with gas recycling

Station 5: 2 bricks