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