

activity Part B – Energy Use in Our Daily Lives
POWER TO THE PEOPLE



NAME _____ CLASS _____

TEACHER _____ DATE _____

ENERGY USE LOG

Appliance or Item	Power in kilowatts (kW) ¹	Hours item used each day (hr)	Daily energy use ² (kW-hr)	Annual energy use (kW-hr/yr) ³	Annual energy cost (\$/yr) ⁴	Ideas for how to reduce energy use from this item



WORKSHEET

¹ F
² [1 Power conversion formulas: watts ÷ 1000 = kilowatts; horsepower (hp) x 0.746 kW/hp = kilowatts; amps x volts ÷ 1000 = kilowatts
³ E 2 Daily energy use formula: power (kW) x hours used per day = daily energy use (kW-hr/day)
⁴ E 3 Energy use/year formula: daily energy use (kW-hr/day) x 365 days/yr = annual energy use (kW-hr/yr)
 4 Energy cost per year formula: annual energy use (kW-hr/yr) x energy cost from bill (\$/kW-hr) = annual energy cost (\$/yr)