Name _____ Date _____

Energy Scavenger Hunt

Use the chart below to record information about appliances in your classroom. Use the formula below to calculate the appliances' energy consumption. Multiply the daily energy consumption of an appliance by the number of days you use it to determine its yearly energy consumption. Multiply the yearly energy consumption by the cost per kWh to determine the annual cost to operate the appliance.

Energy Consumption Formula:
(wattage × hours used per day) ÷ 1000 = daily kilowatt-hour (kWh) consumption

1 kilowatt (kW) = 1,000 Watts

Energy Consumption Chart

Appliance	Wattage	Hours used per day	Estimated daily energy consumption	Days used per year	Estimated yearly energy consumption	Price per kWh	Estimated yearly cost to operate
	(Find on the back, bottom, or inside a door.)	*(Estimate this for a typical day.)*	*(Use the energy consumption formula above to calculate this.)*	*(Estimate how many days you use this appliance each year.)*	*(Multiply the estimated daily energy consumption by the number of days used per year.)*	*(Get this information from a local electric bill.)*	*(Multiply the estimated yearly energy consumption by the price per kWh.)*

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