

Ohm's Law: $\text{Current} = \text{Voltage} / \text{Resistance}$

Appliance	Power in Watts	Voltage in House	Current in Amps	Resistance in Ohms
Refrigerator				
Dishwasher				
Toaster				
Oven				
Hair Dryer				
Color TV				
Microwave				
Radio				
Light Bulb				
Clothes Dryer				

Use the following information to help you complete the spreadsheet.

1. A refrigerator runs on 600 watts of power. A dishwasher runs on 100 watts less than 4 times the power of a refrigerator.
2. A toaster runs on 100 watts of power more than a refrigerator. An oven runs on 500 more watts than 3 times the power of a toaster.
3. A hair dryer runs on 1600 less watts than an oven. A color TV runs on 700 less watts of power than a hair dryer.
4. A microwave runs on 50 watts less than 5 times the power of a color TV. A radio runs on one-third the power of a color TV. A light bulb runs on three-fourths the power of the radio.
5. A clothes dryer needs 4 times as much power to run as a hair dryer