

## Breaker, Breaker!

This is a table that shows the watts used by some typical household appliances. Print out this table and calculate the Amps needed for each appliance before going to the next step of this game.  $\text{Watts} / \text{Volts} = \text{Amps}$

Appliance	Watts	$\div 120 \text{ volts}$	$= \text{Amps}$
air conditioner, 9,000 BTUs	1050		
answering machine	6		
blender	200		
can opener	175		
chandelier	300		
clock	4		
coffee maker	900		
computer (hard drive and monitor)	400		
corn popper	500		
curling iron	80		
fan, ceiling	60		
fan, window	250		
frying pan, electric	1150		
hair dryer	1000		
ice-cream maker, electric	150		
iron	1080		
light bulb, 60-watt	60		
light bulb, 75-watt	75		
light bulb, 100-watt	100		
microwave oven	995		
printer, computer	60		
radio	50		
sewing machine	75		
space heater	1500		
toaster	1150		
toothbrush, electric	10		
TV, color	300		
vacuum cleaner	1220		
VCR	30		
waffle iron	1100		

"Note that large appliances, like stoves, refrigerators, dishwashers, washing machines, and dryers, are not included on this list. That's because each of these appliances draws a lot of current and is therefore on a circuit all by itself."