

**To convert amps to Watts
multiply by 120*

Name: _____

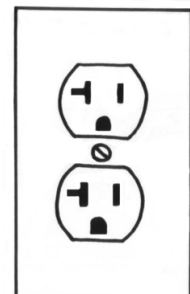
Homework Instructions: Find Wattages of 10 things that plug in around your house and record in the shaded box below. An example has been done for you. Then classify each item in the correct Wattage column below as “Low”, “Mid”, or “High”. Save the rest for tomorrow!

Item		*Wattage	x Hrs./Day	x Days/Yr.	÷ 1000 x .085= \$ Cost/Yr.
Ex.	Lamp	100 watts	8	365	\$24.82
1.		_____ watts			
2.		_____ watts			
3.		_____ watts			
4.		_____ watts			
5.		_____ watts			
6.		_____ watts			
7.		_____ watts			
8.		_____ watts			
9.		_____ watts			
10.		_____ watts			



Low- <100 W	Mid- 100-500 W	High- >500 W

- ◆Trends- Wattage increases with 1. _____
2. _____
3. _____

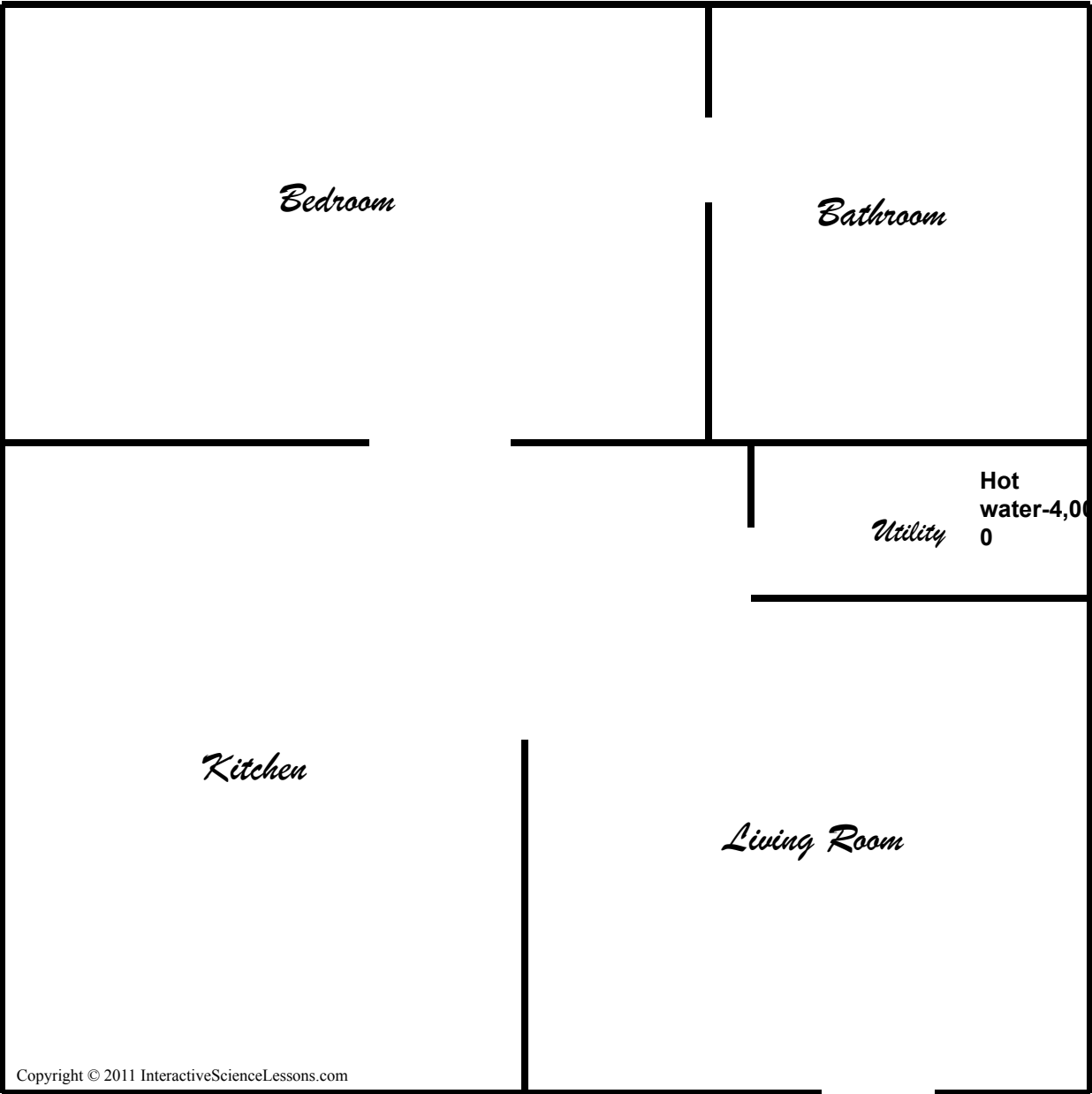


◆ A typical circuit has available -----> _____ amps
 which produces -----> _____ volts
 multiply those to get watts -----> _____ Watts

* You should not exceed 80% (x .8) ★ _____ Watts
this is your limit per circuit

This is your home in 10 years. Looks pretty empty, doesn't it? You need to furnish it with appliances. Start by adding items from the "Essentials" list, then choose anything else you want from the list.

After furnishing it, wire your home with circuits by drawing lines from the breakers to devices. Be careful not to overload any circuits!



Breaker Box	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24

