

## Energy Consumption

See how well students can classify the power consumption of 21 common household items with this handout.

On a sheet of paper have your students write the name of each of the 21 items below. (This is also available as a handout- see last page)

Classify each as either “*Low*” (less than 100 Watts), “*Medium*” (100-500 Watts), or “*High*” (more than 500 Watts).

Four items are “*Low*”, nine are “*Medium*”, and eight are “*High*”.

<b>LOW- 1 Watt</b>	1. telephone
<b>HIGH- 990 Watts</b>	2. popcorn popper
<b>MEDIUM- 250 Watts</b>	3. drill
<b>HIGH- 1,020 Watts</b>	4. coffee maker
<b>HIGH- 1,500 Watts</b>	5. electric skillet
<b>MEDIUM- 100 Watts</b>	6. 100 watt bulb
<b>HIGH- 1,320 Watts</b>	7. vacuum cleaner
	8. desktop computer-large monitor
	9. desktop computer-flat screen
	10. laptop computer

1. telephone
2. popcorn popper
3. drill
4. coffee maker
5. electric skillet
6. 100 watt bulb
7. vacuum cleaner
8. desktop computer-large monitor
9. desktop computer-flat screen
10. laptop computer
11. garage door opener
12. refrigerator
13. waffle iron
14. air compressor
15. crock pot-high setting
16. mixer
17. treadmill
18. television (old cathode tube model)
19. dvd player
20. toaster oven
21. microwave oven

**ANSWERS-** (these are available on PowerPoint- see last page)

- LOW 1. telephone
- HIGH 2. popcorn popper
- MEDIUM 3. drill
- HIGH 4. coffee maker
- HIGH 5. electric skillet
- MEDIUM 6. 100 watt bulb
- HIGH 7. vacuum cleaner
- MEDIUM 8. desktop computer-large monitor
- LOW 9. desktop computer-flat screen
- LOW 10. laptop computer
- MEDIUM 11. garage door opener
- MEDIUM 12. refrigerator
- MEDIUM 13. waffle iron
- HIGH 14. air compressor
- MEDIUM 15. crock pot-high setting
- MEDIUM 16. mixer
- HIGH 17. treadmill
- MEDIUM 18. television (old cathode tube model)
- LOW 19. dvd player
- HIGH 20. toaster oven
- HIGH 21. microwave oven

Come back and visit [InteractiveScienceTeacher.com](http://InteractiveScienceTeacher.com) to upgrade this lesson with:

**PowerPoint-** lead your students through the lesson click-by-click

1. telephone
2. popcorn popper
3. drill
4. coffee maker
5. electric skillet
6. 100 watt bulb
7. vacuum cleaner
8. desktop computer-large monitor
9. desktop computer-flat screen
10. laptop computer

<b>LOW- 1 Watt</b>	1. telephone
<b>HIGH- 990 Watts</b>	2. popcorn popper
<b>MEDIUM- 250 Watts</b>	3. drill
	4. coffee maker
	5. electric skillet
	6. 100 watt bulb
	7. vacuum cleaner
	8. desktop computer-large monitor
	9. desktop computer-flat screen
	10. laptop computer

<b>LOW- 1 Watt</b>	1. telephone
<b>HIGH- 990 Watts</b>	2. popcorn popper
<b>MEDIUM- 250 Watts</b>	3. drill
<b>HIGH- 1,020 Watts</b>	4. coffee maker
<b>HIGH- 1,500 Watts</b>	5. electric skillet
<b>MEDIUM- 100 Watts</b>	6. 100 watt bulb
<b>HIGH- 1,320 Watts</b>	7. vacuum cleaner
<b>LOW- 80 Watts</b>	8. desktop computer-large monitor
<b>LOW- 80 Watts</b>	9. desktop computer-flat screen
<b>LOW- 20 Watts</b>	10. laptop computer

