

## Copymaster: Pages 16-17: Hypothermia

Clothing type	2 ice cubes, starting mass (g)	2 ice cubes, final mass (g)	Mass lost (g)	Energy transferred (J)	Clothing mass (g)	Insulating effect (J) [energy from bare hands minus energy for this type], for question 2	Energy savings by mass (insulating effect ÷ clothing mass)
Bare hand							
Thick glove							
Aluminium foil "survival blanket"							
Plastic and paper layers							

## Copymaster: Pages 22-24: Using Electricity

Appliance	Wattage	Hours per week	Energy (kWh)
100 W light bulb	100		
Air conditioner	1 050		
Ceiling fan	70		
Clock radio	4		
Compact fluorescent light bulb – 60W equivalent	18		
Computer (including monitor & printer)	200		
Dishwasher	1 300		
Electric blanket	60		
Electric oven	5 000		
Fan (portable)	115		
Hairdryer	1 200		
Kettle	1 500		
Microwave oven	1 000		
Fridge or freezer	50 (average)		
Hot-water heater	5 500		
Stereo	30		
Television (regular)	110		
Television (large screen, high definition)	300		
Toaster	1 250		
Vacuum cleaner	800		
Washing machine	500		
Clothes dryer	3 500		
Heater	1 500		
<b>Your total</b>			