




# Review P1.3 Using electrical energy

<i>Can you...?</i>			
<b>P1.3.1 Transferring electrical energy</b>			
Give examples of energy transfers that everyday electrical appliances are designed to bring about			
Relate the amount of energy an appliance transfers to the time it is switched on for, and its power			
Calculate the amount of energy transferred ( $E$ ) from the mains from its power ( $P$ ) and the time it is switched on for ( $t$ ) using the formula: $E = P \times t$			
Use the equation $E = P \times t$ with units in either kilowatt-hours, kilowatts and hours, OR in joules, watts and seconds			
Compare the advantages and disadvantages of using different electrical appliances for a particular application, when provided with data			
Consider the implications of instances when electricity is not available			