

Week 2: Calculating Energy



1. What is the difference between energy and work?
2. A joule (J) is the basic unit of energy. How many joules are in;
 - a. a kilojoule _____
 - b. a megajoule _____
3. A chocolate bar contains 800 kJ of energy. Convert this to joules.
4. An apple contains 400 000 J of energy. Convert this to kilojoules.
5. A TV uses 5 MJ of energy in an hour. Convert this to joules.
6. A fridge uses 4 500 000 J of energy in a day. Convert this to megajoules.
7. You burn 1600 kJ during a 30 minute walk. Convert this to joules.
8. A cyclist burns 30 000 J during their ride. Convert this to kilojoules.