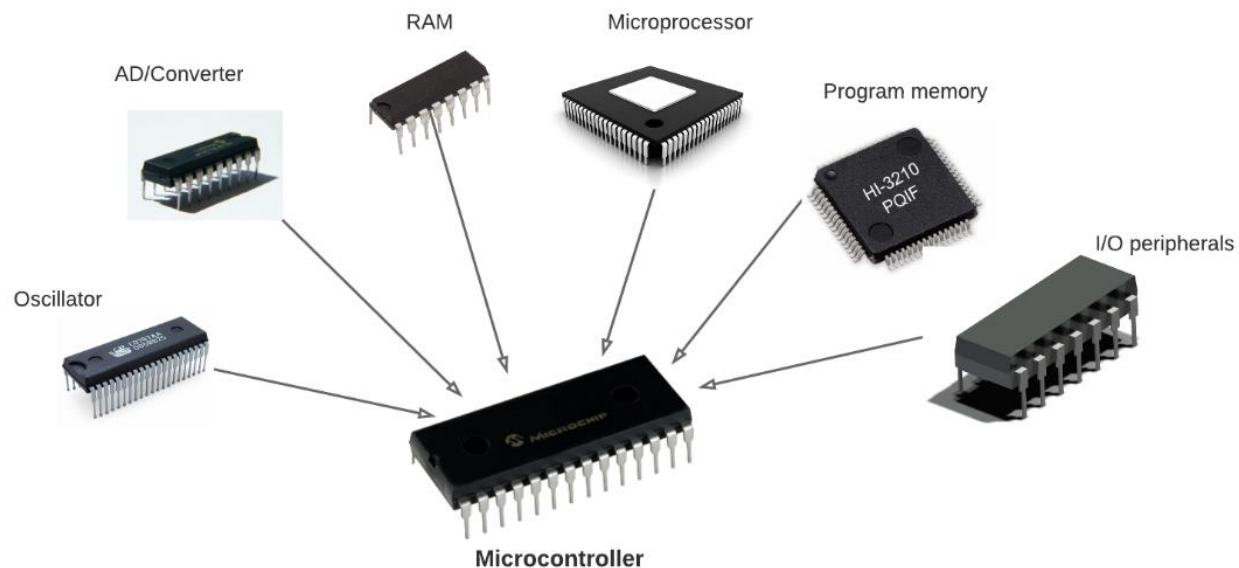
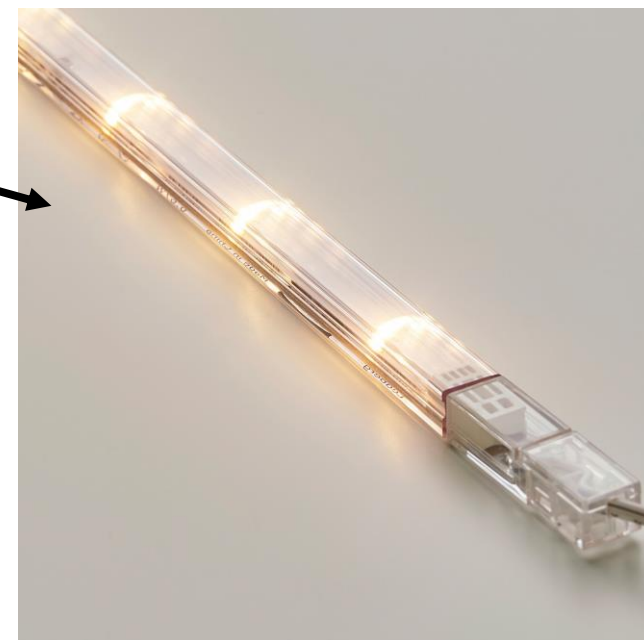


## Algorithm for making a cup of tea



**LED = light emitting diode.** These lights are made by coding a microchip to light up when an electrical current runs through it.



An algorithm is a sequence of instructions that are followed to complete a task. This task can be anything, as long as you can give precise, step-by-step instructions for it.

When you are inputting an algorithm to a computer, it has to be written as **code**. An algorithm that has been translated into code is called a **computer programme**.



<i>Key Vocabulary</i>	<i>Definition</i>
microcontroller	A controller with microchips inputted which allows you to create code
components	The pieces needed to create a microcontroller or other electronic device
output	The translation of code once it has been inputted
Input	The code inputted into a programme with a specific instruction
debug	The process of finding problems with the way a computer programme runs and fixing them
crocodile clips	Metal clips used to attach the components of a microcontroller
action	The result of inputting a code (what the programme does after an instruction is given)