

## What is a DESIGN BRIEF?

A design brief is the statement a client gives to a designer outlining what they want their product to be like.

eg 'Design a drinks bottle holder for use while riding a bicycle'.

### Name

Give the correct title or term.



### Analyse

Separate information into components and identify their characteristics.



Light Emitting Diode (LED)	Symbol of LED

Symbol	Image



## Renewable Energy



What is a microcontroller, what do Microcontrollers look like and what is the name of the computer language used to program them?



A microcontroller is a simple computer that performs a set task.

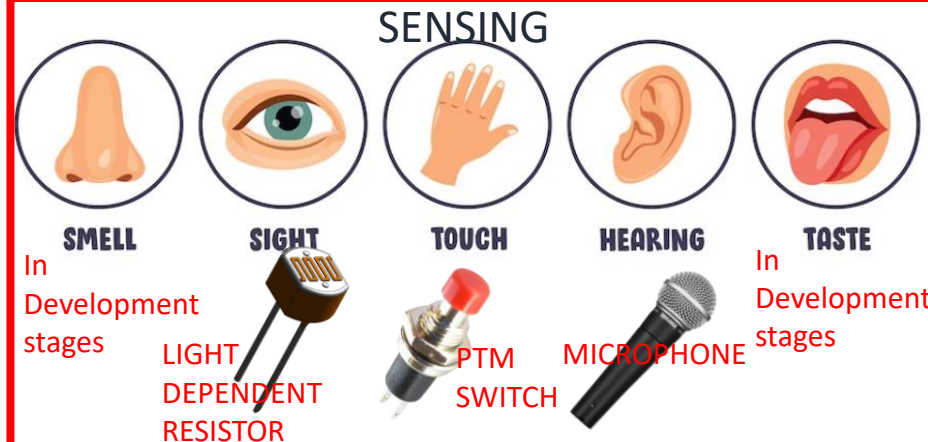
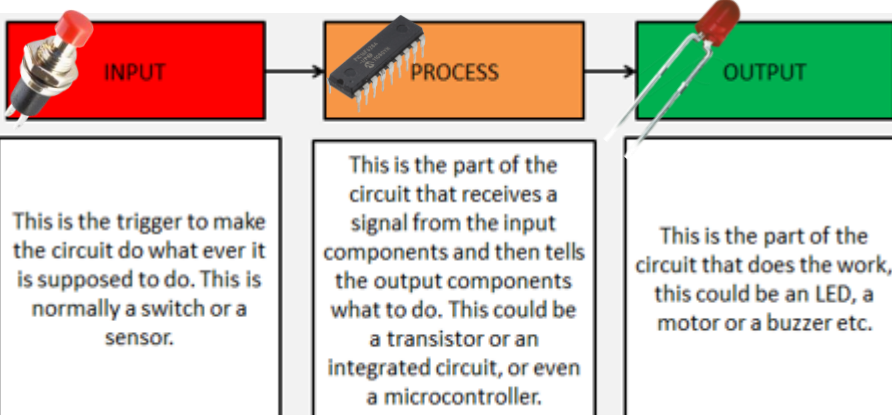
The computer language used is :

**BASIC**

```
10 INPUT "What is your name: ", US
20 PRINT "Hello "; US
30 INPUT "How many stars do you want: ", N
40 SS = ""
50 FOR I = 1 TO N
60 SS = SS + "*"
70 NEXT I
80 PRINT SS
90 INPUT "Do you want more stars? ", AS
100 IF LEN(AS) = 0 THEN GOTO 90
110 AS = LEFT$(AS, 1)
120 IF AS = "Y" OR AS = "y" THEN GOTO 30
130 PRINT "Goodbye "; US
140 END
```

How are microcontrollers used around the home and what CAD software can be used to program them?

CAD – COMPUTER AIDED DESIGN



## Night Light Buddy Knowledge Organiser



### Evaluate

Judge from available evidence/ experience.