Homework 3 Sensors

1. Sensors can be used to detect changes in the environment. They can measure, for example, temperature, light, movement, moisture or smoke.

(a) A burglar alarm can detect movement inside a house.   
Give **three** other examples of sensors that could be used in a home. [3 marks]

(b) A sensor sends a signal to an output device.

State what the output would be for each of the sensors you have given   
in part (a). [3 marks]

2. Complete the flowchart below showing the action of a burglar alarm which   
sets off an alarm if movement is detected inside a house. [4 marks]

movement detected?

Start

[Total 10 marks]