

```
1  /**
2   Water Action - Mission Possible MK2
3   Ward Melville HS Science Olympiad - Team A - 2017-2018
4   waterTiny.ino
5   Purpose: Triggers the next action when the resistance of a probe changes more than a
        threshold value.
6
7   @author David Cutting
8   @version 1.0 1/26/2018
9   */
10
11 // Definitions for microcontroller pin numbers
12 const int PROBE_PIN = 2;
13 const int OUT_PIN = 4;
14
15 void setup() {
16     // Set the microcontroller pins as either inputs or outputs
17     pinMode(PROBE_PIN, INPUT);
18     pinMode(OUT_PIN, OUTPUT);
19
20     // Set the output pin to low
21     digitalWrite(OUT_PIN, LOW); // Write the output pin to LOW
22 }
23
24 void loop() {
25     if(!digitalRead(PROBE_PIN)) {
26         digitalWrite(OUT_PIN, HIGH); // Trigger the next action
27     }
28 }
29
```