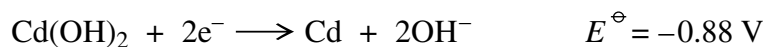
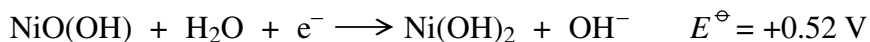


- 2 Nickel–cadmium cells are used to power electrical equipment such as drills and shavers. The electrode reactions are shown below.



- 2 (a) Calculate the e.m.f. of a nickel–cadmium cell.

.....
(1 mark)

- 2 (b) Deduce an overall equation for the reaction that occurs in the cell when it is used.

.....
.....
.....
(2 marks)

- 2 (c) Identify the oxidising agent in the overall cell reaction and give the oxidation state of the metal in this oxidising agent.

Oxidising agent

Oxidation state
(2 marks)

5

Turn over for the next question

Turn over ►

