



Topic 13 Exercise 4 – Fuel Cells

1. Explain the difference between an electrochemical cell and a fuel cell.

2. Write half-equations to show the electrode reactions taking place at each electrode in:
 - a) A hydrogen fuel cell
 - b) A methane fuel cell
 - c) An octane fuel cell

3. State two advantages of fuel cell vehicles over conventional vehicles.

4. State the three ways in which hydrogen can be stored in a FCV.

5. State three limitations of hydrogen fuel cells.

6. State three other reasons which may prevent a “hydrogen economy” from taking off.