

17. Which of the following reasons would cause the voltmeter to show a different value to the theoretical voltage?

- (i) the cell is at 100 kPa
- (ii) the cell is at 20 °C
- (iii) the $\text{Pb}(\text{NO}_3)_2$ solution is 0.1 mol L^{-1} and the $\text{Fe}(\text{NO}_3)_2$ solution is 0.2 mol L^{-1}
- (iv) the lead and iron electrodes are in the opposite solution to that shown in the diagram above

- (a) i and ii
- (b) ii and iii
- (c) ii, iii and iv
- (d) iii and iv