

12. A student tested an acid with a pH meter. When dipped into the acid the pH was shown to be 4. What is the concentration of hydrogen ions in this solution?
- (a) 0.0004 mol L⁻¹
 - (b) 0.00001 mol L⁻¹
 - (c) 0.0001 mol L⁻¹
 - (d) 0.004 mol L⁻¹