

3. Which of the following solutions has the **greatest** electrical conductivity?

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| (a) | 0.010 mol L ⁻¹ methanoic acid, HCOOH(aq) | (K _a = 1.8 × 10 ⁻⁴) |
| (b) | 0.100 mol L ⁻¹ methanoic acid, HCOOH(aq) | (K _a = 1.8 × 10 ⁻⁴) |
| (c) | 0.010 mol L ⁻¹ hypochlorous acid, HClO(aq) | (K _a = 3.5 × 10 ⁻⁸) |
| (d) | 0.100 mol L ⁻¹ hypochlorous acid, HClO(aq) | (K _a = 3.5 × 10 ⁻⁸) |