Conductivity of Weak and Strong Acids

Validation Test

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /20

1. On the grid below, graph your results for HCl. (6 marks)

Chart

Description automatically generated

1. On the grid below, graph your results for CH3COOH. (6 marks)

Chart

Description automatically generated

1. Using your graphs from questions 1 and 2, predict the conductivity of the following concentrations of acids: (2 marks)
2. 0.75 mol L-1 HCl
3. 0.75 mol L-1 CH3COOH
4. Explain, using your results, which one of the two acids would be considered a strong acid. Include an appropriate equation in your answer. (3 marks)

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1. Explain the difference between a weak acid and a dilute acid. Using your results in your answers. (3 marks)

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