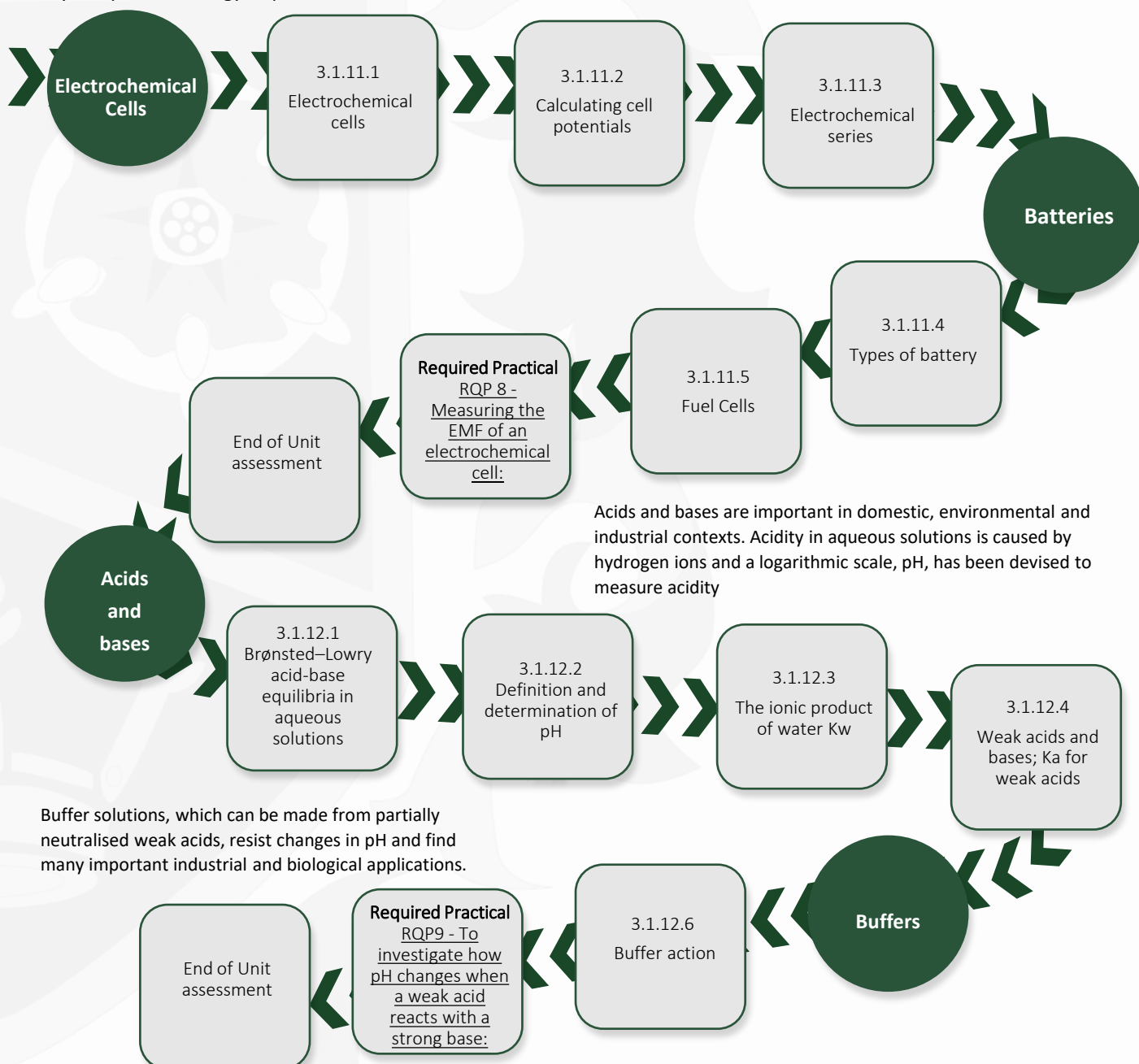


## Chemistry

Year 13 Spring Term

## Electrochemical cells and Acids and Bases

Redox reactions take place in electrochemical cells where electrons are transferred from the reducing agent to the oxidising agent indirectly via an external circuit. A potential difference is created that can drive an electric current to do work. Electrochemical cells have very important commercial applications as a portable supply of electricity to power electronic devices such as mobile phones, tablets and laptops. On a larger scale, they can provide energy to power a vehicle.



Buffer solutions, which can be made from partially neutralised weak acids, resist changes in pH and find many important industrial and biological applications.

**TUDOR HABITS**

You will continue to work on building your toolbox of problems solving skills to support your metacognition and self-regulation

**VOCABULARY:**

Cell, Battery, Reduction, Oxidation, Acid, Bases, Alkali, Neutralisation, pH Scale, Indicator, Buffer, Titration.