**Year 11 Human Biology**

**Study Checklist**

**Please note: This checklist is to be used as a guide only. The information in this checklist does not reflect the full syllabus.**

**Topic 3: Cellular Metabolism**

* Define metabolism, catabolism and anabolism. Provide examples of catabolic and anabolic reactions
* Describe cellular respiration, include defining the balanced chemical equation that represents it
* Describe the synthesis and role of ATP and how it acts as the energy currency of a cell
* Describe the ways in which cells utilise energy
* Compare and contrast aerobic and anaerobic metabolism, including:
  + Reactants
  + Products
  + Location
  + ATP yield
  + Oxygen debt