Edexcel iGCSE Biology 4BI0 Learning Plan

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| **Section B8: Homeostasis and Excretion** |
| Specification | Resources | Assessment |
| 2.68 recall that the lungs, kidneys and skin are organs of excretion 2.69 understand how the kidney carries out its roles of excretion and osmoregulation 2.70 describe the structure of the urinary system, including the kidneys, ureters, bladder and urethra 2.71 describe the structure of a nephron, to include Bowman’s capsule and glomerulus, convoluted tubules, loop of Henlé and collecting duct 2.72 describe ultrafiltration in the Bowman’s capsule and the composition of the glomerular filtrate 2.73 understand that water is reabsorbed into the blood from the collecting duct 2.74 understand that selective reabsorption of glucose occurs at the proximal convoluted tubule 2.75 describe the role of ADH in regulating the water content of the blood 2.76 understand that urine contains water, urea and salts. | Video: Biology Section 2 Lesson 6 - ExcretionPowerpoint: Biology Secction 2 Lesson 6 - ExcretionTextbook: Chapter 8: Homeostasis and ExcretionPage 83 – HomeostasisPage 85 – The urinary systemPage 89 – Control of the body’s water contentPage 90 – Control of body temperaturePage 94 End of Chapter checklistChapter 8 Homeostasis and Excretion Student checklist.docDVD Revision check list<http://biology-igcse.weebly.com/summary8.html><http://biology-igcse.weebly.com/homeostasis1.html><http://biology-igcse.weebly.com/blood-glucose.html><http://biology-igcse.weebly.com/negative-feedback.html><http://biology-igcse.weebly.com/kidney-structure.html><http://biology-igcse.weebly.com/kidney-function.html><http://biology-igcse.weebly.com/formation-of-urea.html><http://biology-igcse.weebly.com/dialysis.html><http://biology-igcse.weebly.com/drugs.html>  | TextbookPages 94 – 95 Questions 1 to 6Textbook Answers (PDF)DVD Multiple choice testSection B8 - exam question - pdfSection B8 - exam question mark scheme – pdfTalking paper video – Section B8 - Homeostasis and Excretion |

Videos – www.igcsesciencecourses.com

Textbook Ref: Edexcel International GCSE Biology Student Book - Pearson (Bradfield and Potter)

DVD Video Clips – see resource DVD in textbook.