Edexcel iGCSE Biology 4BI0 Learning Plan

|  |  |  |
| --- | --- | --- |
| **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 - Excretion  Powerpoint: Biology Secction 2 Lesson 6 - Excretion  Textbook: Chapter 8: Homeostasis and Excretion  Page 83 – Homeostasis  Page 85 – The urinary system  Page 89 – Control of the body’s water content  Page 90 – Control of body temperature  Page 94 End of Chapter checklist  Chapter 8 Homeostasis and Excretion Student checklist.doc  DVD 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> | Textbook  Pages 94 – 95 Questions 1 to 6  Textbook Answers (PDF)  DVD Multiple choice test  Section B8 - exam question - pdf  Section B8 - exam question mark scheme – pdf  Talking 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.