

## **Standard Grade Biology**

### **Animal Survival**

#### **3. Water and Waste**

#### **Checklist      Grade**

At the end of this topic you should be able to:

- |   |                          |         |
|---|--------------------------|---------|
| (a) describe the benefit and inconvenience of artificial and replacement kidneys.                 | <input type="checkbox"/> | General |
| (b) explain the implications of damage to the kidneys by accident or disease.                     | <input type="checkbox"/> | Credit  |
| (c) identify the ways which an animal gains and loses water.                                      | <input type="checkbox"/> | General |
| (d) state that the kidneys are the main organs for regulating the water content in a mammal.      | <input type="checkbox"/> | General |
| (e) explain the role of ADH in regulation of water balance.                                       | <input type="checkbox"/> | Credit  |
| (f) identify the positions of the kidneys, renal artery, renal vein, ureters and bladder.         | <input type="checkbox"/> | General |
| (g) state the functions of the renal artery, renal vein, ureters and bladder.                     | <input type="checkbox"/> | General |
| (h) describe how essential elements of kidney function are filtration and reabsorption.           | <input type="checkbox"/> | General |
| (i) state that urea is the waste removed in urine.  | <input type="checkbox"/> | General |
| (j) explain the process of urine production in a simple diagram of a nephron and collecting duct. | <input type="checkbox"/> | Credit  |
| (k) describe the source of urea in the body and how urea is transported to the kidneys.           | <input type="checkbox"/> | Credit  |

**Homework**

**End of Topic Test**