

**First Nations** ▶ **BI12** ▶ **Resources** ▶ **Urinary System Written Response**

Please answer the following questions as completely as you can.

This assignment is to handed in for marks.

/15

1. Draw a diagram of the urinary system the show the location of the following structures.(4 marks)  
a) kidneys    b) ureters    c) urinary bladder    d) urethra
2. List the names of the three tubes connected to the kidneys and describe the composition of the fluid contained within each one.(3 marks)
3. In what part of the kidney are the nephrons located? (1 mark)
4. What methods of transport does the kidney use to move molecules into or out of the blood?(1 mark)
5. Describe the compositions of the filtrate at the two opposite ends of the nephron. What is the glomerular filtrate composed of vs. what is the final urine product composed of?(2 marks)
6. What are the three steps in urine formation? Describe each one briefly.(2 marks)
7. List the hormones involved in regulating water levels in the body. For each hormone include where it is produced, when it is produced and what effect it has on water reabsorption.(2 marks)

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