

Excretion & Waste management Review

1. What is the difference between excretion and defecation?
2. What are the four main organs of excretion?
3. What are metabolic wastes?
4. I ate a Big Mac for lunch, what would be some of the metabolic wastes that would come from the Big Mac?
5. What are the 3 functions of the urinary system?
6. List the 3 layers or sections of a kidney and their functions.
7. List the % of each substance reabsorbed in the kidney:
 - a. Glucose & amino acids
 - b. Water
 - c. Salts
8. Why are there million of loops in nephron structures?
9. List 3 substances found in urine?
10. How come the urine in your first bathroom trip in the morning is so much more yellow than urine later on in the day?
11. Describe the 3 stages of kidney function.
12. Which materials are reabsorbed by:
 - a. Passive diffusion
 - b. Active transport (NRG)
13.
 - a. How many litres of filtrate are actually produced by the kidneys in 24 hrs?
 - b. How many litres of filtrate will be reabsorbed?
 - c. How much urine is actually excreted?
 - d. Why is this important?
14. Where are the kidneys located?
15. Complete the following statements:
 - a. The ureters lead from the kidneys to the:
 - b. The _____ extends from the bladder to the outside of the body
 - c. The substances that pass from the blood through the glomerulus into the Bowman's capsule is called _____
 - d. Components of blood that do not become part of the filtrate are _____.
16. What substances are not filtrated in the glomerulus? Why not?
17. What does aldosterone do?
18. What is ADH and what does it do?
19. How does alcohol affect your urinary system?