

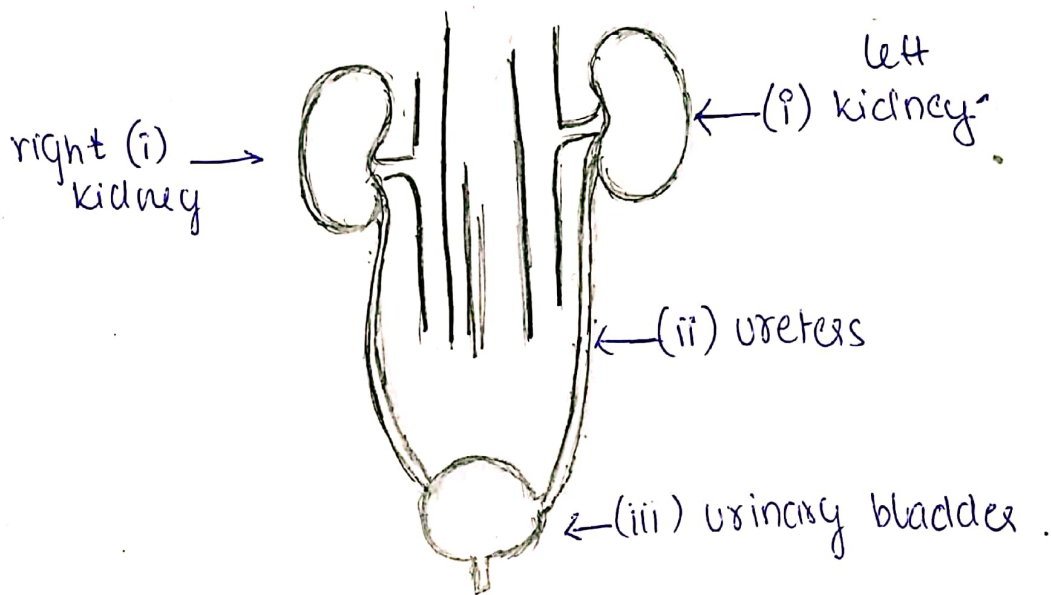


مدرسة جيه اس اس الخاصة JSS PRIVATE SCHOOL, DUBAI

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Recap Test: Excretion & Circulation Date: 19/02/20

1. (a) Excretion: It is the process of removing metabolic nitrogenous wastes from our body. (1)
(urea, uric acid, ammonia).
- (b) Nephron: They are the structural and functional units of the kidney.



2. There is no mixing of oxygenated and deoxygenated blood in the human heart due to the septum. ~~The~~ septum separates the ~~left and right~~ left and right sections of the heart and hence prevents the intermixing of oxygenated and deoxygenated blood. left and right atriums
- The part of the septum that separates the atrium is known as the interatrial septum.
- Whereas, the part that separates the left and right ventricles is known as the interventricular septum.

(h) In mammals, the blood passes through the heart twice, ~~the~~ ^{their} heart has four chambers. ~~The blood gets~~ whereas, fishes has only 2 chambers and the blood passes through the heart only once. Mammals have double circulation and fishes have single circulation. For fishes, the blood gets oxygenated in the gills.

(3) — (Continuation), 1.1

The oxygenated blood contains a lower amount of carbon dioxide, whereas deoxygenated blood contains a high level of carbon dioxide. if these get intermixed it could cause haem to the person as the carbon dioxide levels in the human will increase drastically.