

HW
29/6/21

Q1) How is the amount of urine produced regulated?

Ans - The amount of urine produced depends on the amount of excess water and dissolved wastes present in the body. Some other factors such as habitat of an organism and hormone such as Antidiuretic hormone (ADH) also regulates the amount of urine produced.

Q2) Compare the functioning of alveoli in the lungs and nephrons in the kidneys with respect to their structure and functioning.

Ans - Alveoli - Alveoli are the tiny air sacs present in the lungs that allows the rapid exchange of gases.

→ It facilitates gaseous exchange in lungs.

Nephrons - Nephrons are the structural and functional unit of ~~the~~ kidney.

→ Nephron comprises glomerulus and tubules through which glomerular filtrate passes.

→ It facilitates blood filtration to produce urine.