

HW

Life processes case based questions:-

(A) 1. \_\_\_\_\_ is considered as the basic functional unit of human kidney.

ans (b) Nephron

2. Bowman's capsule is located in \_\_\_\_\_

ans (a) cortex

(B) \_\_\_\_\_ are the tubes made up of smooth muscle fibres that transport urine to the bladder from the kidney.

ans (c) Ureters

(4) The \_\_\_\_\_ is a network of tiny blood vessels located at the beginning of a nephron.

ans (D) Glomerulus.

(B) 1. People living at sea level have around 5 million RBCs per cubic millimeter of their blood whereas those living at an altitude of 5400 m have around 8 million. This is because at high altitude -

ans - (c) atmospheric oxygen level is less and hence more RBCs are needed to absorb the required amount of  $O_2$  to survive.

(2) which of the following functions by filtering and keeping the mucus and dirt away from our lungs. ?

ans - (a) cilia

(3) The exchange of gases between the external environment and the lungs is.

ans- external respiration.

(4) Which one of the following statements is false about the trachea?

ans- (b) it is covered by epiglottis.