



BIOLOGY

NCERT - NCERT BIOLOGY(ENGLISH)

EXCRETORY PRODUCTS AND THEIR ELIMINATION

Exercise

1. Define Glomerular Filtration Rate (GFR)



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2. Explain the autoregulatory mechanism of GFR.



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3. Micturition is carried out by a reflex.



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4. ADH helps in water elimination, making the urine hypotonic.



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5. Protein-free fluid is filtered from blood plasma into the Bowman's capsule



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6. Henle's loop plays an important role in concentrating the urine.



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7. Glucose is actively reabsorbed in the proximal convoluted tubule.



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8. Give a brief account of the counter current mechanism.



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9. Describe the role of liver, lungs and skin in excretion.



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10. Explain micturition.



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11. Match the items of column I with those of column II:

Answer 7:

Column I		Column II	
(a)	Ammonotelism	(iii)	Bony fish
(b)	Bowman's capsule	(v)	Renal tubule
(c)	Micturition	(iv)	Urinary bladder
(d)	Uricotelism	(i)	Birds
(d)	ADH	(ii)	Water reabsorption



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12. What is meant by the term osmoregulation?



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13. Terrestrial animals are generally either ureotelic or uricotelic, not ammonotelic, why?



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14. What is the significance of juxtaglomerular apparatus (JGA) in kidney function?



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15. Find out the name of the following:

- a. A chordate animal having flame cells as excretory structures
- b. Cortical portions projecting between the medullary pyramids in the human kidney
- c. A loop of capillary running parallel to the Henle's loop



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16. Ascending limb of Henle's loop is _____ to water whereas the descending limb is _____ to it.



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17. Reabsorption of water from distal parts of the tubules is facilitated by hormone _____.



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18. Dialysis fluid contains all the constituents as in plasma except _____.



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19. A healthy adult human excretes (on an average) _____ gm of urea/day.



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