

Homeostasis

Sr	Questions	Answers Choice
1	Xerophytes, plants adapted to dry environments, often exhibit which of the following features to conserve water?	A. Large, broad leaves with many stomata B. Thin cuticle and shallow root system C. Sunken stomata, thick cuticle, and reduced leaf surface area D. Presence of pneumatophores
2	Which is the correct order for the path taken by urine after it leaves the kidneys?	A. Urethra, bladder, ureters B. Bladder, ureters, urethra C. Ureters, bladder, urethra D. Bladder, urethra, ureters
3	Example of hydrophyte plants is.	A. Grass B. Sea grass C. Catus D. Water lilly
4	Water lily is example of.	A. Halophytes B. Hydrophytes C. Xerophytes D. Mesophyte
5	Which of the following is a common method used by plants to excrete metabolic waste products, particularly when they accumulate in older, senescent parts?	A. Active transport into the soil B. Storing them in vacuoles and shedding leaves C. Converting them into useful nutrients D. Releasing them through root hairs
6	The byproducts of Photosynthesis is.	A. Carbondioxide B. Oxygen C. Nitrogen D. Ammonia
7	Urine contains the least amount of.	A. Urea B. Sodium Ions C. Water D. Potassium Ion
8	What is the main role of the urinary bladder?	A. To produce urine B. To store urine temporarily before urination C. To filter blood D. To transport urine from the body
9	The typical volume of urine produced by an adult in liters per day is.	A. 2.4 B. 1.4 C. 3.2 D. 4.1
10	The regulation of blood glucose levels by insulin and glucagon is an example of which type of homeostatic control?	A. Thermoregulation B. Osmoregulation C. Chemical regulation D. Pressure regulation
11	What is the primary purpose of homeostasis in plants?	A. To increase photosynthesis rate. B. To maintain a stable internal environment. C. To attract pollinators. D. To enhance nutrient absorption from the soil.
12	What are not filtered through glomerular capillaries?	A. Blood cells & Proteins B. Fats & Proteins C. Fats & Salts D. Salts & Proteins
13	What is the main nitrogenous waste product excreted by the kidneys in humans?	A. Ammonia B. Uric acid C. Urea D. Creatinine
14	Some plants, known as halophytes, have specialized adaptations to regulate salt levels in	A. Increased water absorption B. Production of more chlorophyll

14	their bodies when growing in saline environments. Which of the following is a common adaptation for salt excretion in some halophytes?	<p>C. Presence of salt glands D. Rapid leaf shedding throughout the year</p>
15	The organ which performs Osmoregulation function is:	<p>A. lungs B. kidneys C. stomach D. skin</p>
16	The tube between kidney and urinary bladder is the.	<p>A. Ureter B. Urethra C. Renal tubule D. Nephron</p>
17	The typical volume of urine produced by an average adult per day is:	<p>A. 1 liter B. 2 liter C. 1.4 liter D. 5 liter</p>
18	What is the primary function of the kidneys in the human body?	<p>A. To pump blood throughout the body B. To produce digestive enzymes C. To filter waste products and excess water from the blood D. To regulate blood sugar levels</p>
19	In which succulent organs present?	<p>A. Hydrophytes B. Mesophytes C. Xerophytes D. Halophytes</p>
20	What waste products are excreted by kidneys?	<p>A. Urea, water & salts B. Salts, water and carbon dioxide C. Urea & Water D. Urea & salts.</p>