

## Homeostasis

Sr	Questions	Answers Choice
1	The function of kidneys is;	A. urine formation B. food transport C. absorption of food D. removal of oxygen
2	The process which maintain the internal condition of body at equilibrium despite changes in the external environment is called.	A. Homeostasis B. Excretion C. Absorption D. Tubular Secretion
3	How do plants get rid of accumulated metabolic waste products like calcium oxalate crystals, especially in deciduous trees?	A. Through root exudates. B. By storing them in fruits. C. By shedding leaves in autumn. D. Through stomatal pores.
4	Thermoregulation is the process by which the body maintains a constant internal temperature. Which of the following is an effector response to high body temperature?	A. Shivering to generate heat. B. Constriction of blood vessels in the skin. C. Sweating to release heat. D. Increased metabolic rate.
5	The functional unit of kidney is called.	A. Renal Pelvis B. Nephron C. Bowman's capsule D. Renal Medulla
6	The organ responsible for filtering the blood is.	A. Intestine B. Brain C. Stomach D. Kidney
7	What is the primary function of dialysis in patients with kidney failure?	A. To stimulate kidney regeneration B. To filter waste products and excess fluid from the blood C. To increase blood pressure D. To produce essential hormones
8	The human urinary system consists of.	A. Rectum, Lungs, kidneys, ureters B. Kidneys, ureters, urinary bladder C. Skin, liver, lungs, kidneys D. Kidneys, ureters, urinary bladder, urethra
9	What is the primary function of the kidneys in the human body?	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
10	Which of the following processes is crucial for maintaining water balance and temperature regulation in plants?	A. Photosynthesis B. Respiration C. Transpiration D. Pollination
11	The length of human kidney is.	A. 27 cm B. 4cm C. 5 cm D. 10 cm
12	Adaptions found in plants to keep the balance of carbon dioxide and oxygen are:	A. photosynthesis B. stomata C. transpiration D. all to these
13	The typical volume of urine produced by an average adult per day is:	A. 1 liter B. 2 liter C. 1.4 liter D. 5 liter
14	Calcium oxalate is deposited in the form of crystals in the leaves and stems of.	A. Pines B. Tomatoes C. Rubber D. Keekar

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15 In every kidney no. of Nephrons is about.

A. 10 Lac  
B. 5 Lac  
**C. More than 10 Lac**  
D. More than 5 Lac

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16 When the human body temperature rises above normal, which of the following is a homeostatic response to cool down?

A. Shivering  
B. Vasoconstriction of blood vessels in the skin  
**C. Increased sweat production**  
D. Piloerection (goosebumps)

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17 Plays role in maintaining body temperature.

A. Lungs  
**B. Skin**  
C. Kidneys  
D. Ear

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18 Which of these is a common symptom of chronic kidney disease?

A. Sudden increase in appetite  
B. Clear and frequent urination  
**C. Swelling in the ankles, feet, or legs**  
D. Unexplained weight gain

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19 Which process is primarily responsible for the removal of excess water from plant leaves in the form of water vapor?

A. Respiration  
B. Photosynthesis  
**C. Transpiration**  
D. Absorption

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20 It plays important role in keeping body temperature constant:

A. kidney  
**B. skin**  
C. liver  
D. lungs

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