## **GUIDE TO S.3 BIOLOGY ONLINE TEST 1**

TIME: 25 MINUTES **TOPIC: EXCRETION & HOMEOSTASIS** 

## **INSTRUCTION:** Attempt all questions

1.	The main	value of	sweating i	n man is	that during	the pro	cess
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- A. Excess water is removed from the body
- B. Latent heat of vaporization of water helps to cool the body

В

- C. Excess mineral salts are removed from the body
- D. The body gets rid of excess nitrogenous wastes
- 2. Possession of a long loop of Henle is a characteristic of;
  - A. Desert animals
- B. Amphibians
- C. Fresh water animals
- D. Mammals
- 3. Which of the following organs is responsible for removing excess glucose from blood?
  - A. Spleen
- B. Liver
- C. Kidney
- D. Gall bladder
- В

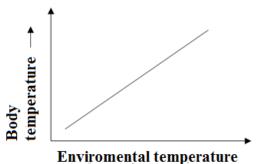
Α

- **4.** Reptiles are well adapted to living on land due to presence of
  - A. Dry epidermal scales and egg membranes
- C. Shelled eggs and lungs

B. Lungs and egg membranes

- D. Dry epidermal scales and gular crest
- **5.** In the body temperature regulation, vasodilatation
  - A. Allows more blood to enter the skin capillary network
  - B. Allows more urine to be secreted into the bladder

- C. Allows less sweat to be secreted by sweat glands
- D. Decreases heat loss by radiation
- **6.** The waste product urea is formed from
  - A. Cellulose
- B. Protein
- C. Glucose
- D. Fat
- В
- 7. Figure 2 shows changes in the body temperature with environmental temperature in an animal.



Which one of the following could be the animal represented?

- A. Bird
- B. Dog
- C. Human
- D. Frog

- **8.** In which part of the kidney nephron does reabsorption of glucose occur?
  - A. Proximal convoluted tubule.

- C. Descending loop of Henle.
- Α

B. Distal convoluted tubule.

- D. Ascending loop of Henle.
- **9.** Which **one** of the following stimulates the re-absorption of the water in the kidney? C. Thyroxine D. Insulin
- В

- **10.** What is the function of contractile vacuole in the amoeba?
  - A. Storage of solid particles

A. Adrenaline

- C. Control of water content in the body
- D. Digestion of food B. Storage of unwanted gaseous compounds

B. Antidiuretic hormone.

Biologist!!					B.K Joshua 20	<b>)21</b>
_	p of	organs perform	ning excretory fu	nctions is		
A. Ki	idney	ys, lungs and sk	kin.	C. Skin, kidneys and pancreas		A
B. Li	B. Liver, kidneys and pancreas			D. Lungs, spleen and gall bladder.		
12. Excretory	y pro	ducts of plants	include			
A. Oxygen and starch				C. Oxygen and carbon dioxide		
B. Oxygen and urea				D. Urea and carbon dioxide		
13. Which or	ne of	the following	responses is like	ly to occur in the human	body when environ	ment
temperati	are i	ncreases?				
A. Va	asodi	ilation		C. Contraction of the ere	ector pili muscle	LA
B. Sh	niver	ing		D. Increased metabolism		
14. In which	part	of the nephron	does ultrafiltrati	on take place?		
A. Re	enal	tubule B.	Collecting tubul	e C. Glomerulus	D. Renal vein	
15. In which	part	of the nephron	does reabsorption	on of sugars take place?		
A. Di	istal	convoluted tub	ule	C. Proximal convol	uted tubule	
B. Lo	op c	of Henle		D. Collecting duct		
	_		is the source, tar	get and effect of insulin o	n the human body?	
		Source	Target	Effects		
	4	Liver	Liver	Decrease amount of glu	icose in blood	
]	В	Pancreas	Pancreas	Increase amount of glud	cose in blood	
			_			
	C	Liver	Pancreas	Decrease amount of glu	cose in blood	_
]	D	Pancreas	Liver	Decrease amount of glu	cose in blood	
]	D	Pancreas	Liver		cose in blood	?
<b>17.</b> Which of	D the	Pancreas	Liver ns are used for e	Decrease amount of glu	ammals respectively	
17. Which of A. Fl	the ame	Pancreas following orga	Liver ns are used for e ey	Decrease amount of gluxcretion in insects and ma	acose in blood ammals respectively and Kidney	
17. Which of A. Fl B. No	the ame ephri	Pancreas following orga cells and Kidney idia and Kidney	Liver ns are used for e ey	Decrease amount of glux cretion in insects and ma C. Malphigian tubule	acose in blood ammals respectively and Kidney dneys	С
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17. Which of A. Fl B. No 18. Which of of the nep A. W 19. Which or	the ame ephricater ater of	Pancreas following orga cells and Kidney idia and Kidney following glon n? B. The following i	Liver ns are used for e ey nerular compone Protein is the role of effe	Decrease amount of glux cretion in insects and machine C. Malphigian tubule D. Trachioles and Kints increases in concentrate C. Glucose	acose in blood ammals respectively and Kidney dneys tion along the rest o  D. Urea n?	C f par
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"Don't ask what the world needs. Ask what makes you come alive, and go do it."