10

1. Vertebrate eyes are Single-lens eyes with

- a. Light is focused by the curved cornea and lens
- b. Changing the shape of the lens focuses near and far
- c. Photoreceptor cells in the retina detect light
- d. All above

1. eyeball too short cause

- a. A farsighted eye
- b. A nearsighted eye
- c. Astigmatism
- d. Presbyopia

2. Innate behaviors are

- under strong genetic control
- performed in virtually the indifferent way by all individuals of a species
- Sociobiology
- d. the environment

Kinds of innate immunity barriers are

- a. External barriers such as Skin, Secretions, Mucous membranes
- b. Internal defenses such as Inflammatory response
- c. A & B
- d. Non

4. The inflammatory response produced

- a. by microbial-infected cells
- b. Internal tissue injury
- migration of erythrocyts from the spleen
- d. All above

5. Tropism is a phenomenon by which

- a. plants response to stimulation
- b. reducing lateral branching
- c. Affected by the length of the day and night
- d. All above

6. Auxin hormones act as

- a. promotes seedling elongation
- b. is transported downward through a plant
- affects cell elongation in roots at lower concentrations
- d. all above

7. is a gaseous by-product of natural gas combustion plant hormone a) auxin b) Gibberellins c) Ethylene d) All above 8. Agricultural uses of plant hormones include a) Control of fruit production, ripening, and dropping b) Production of seedless fruits c) Use as weed killers d) All above 9. The reason for naming the closed circulatory systems a) Carries blood in opens vessels b) Moves blood through the veins and arteries c) Blood stays confined to vessels d) Returns blood to the heart 10. Cardiac output a) coronary insufficient circulation b) A defect in one or more heart valves c) Disorder in a heartbeat d) Amount of blood/minute pumped into systemic circuit 11. A heart attack is a) damage to cardiac muscle b) Typically from a blocked coronary artery c) Death of brain tissue from blocked arteries in the head d) A & b 12. the characteristic of blood types AB is a) a general receptor b) a general donor c) a receptor and donor d) neither donating nor receptor 13. Anemia a) cancer of white blood cells b) results in extra leukocytes that do not function properly is usually fatal unless treated c) d) Abnormally low amounts of hemoglobin or red blood cells 15.Peripheral nervous system (PNS) a) Located outside the CNS b) Consists of Nerves and Ganglia c) Brain & Spinal cord d) A& b

16. Neurons are a) Cells specialized for carrying signals b) The functional units of the nervous system c) consists of A cell body, Dendrites and Axons d) all above 17. Acquired immunity is a result of previous exposure a) serious illness b) to vaccination c) repeated exposure to the same factor d) treatment with penicillin 18. Vibrations from the sound waves are amplified by a) the eardrum b) Anvi c) Stirrup d) All above 19. The human retina contains rods and cone which are able to a) convert the photo power to the chemical power b) absorption of ultraviolet convert photo power to electrical form and send action potentials to the brain d) absorption of infrared 20. The way in which some organism supplies some other organism with food and energy known as a) Food chains b) Food Network c) Pyramid of power d) levels of nutrition

B-write the reason

- 1. Myelin sheaths enclose axons
- 2. Earwax is a yellowish waxy substance secreted in the ear canal
- 3. The spleen plays an important role
- 4. Cytokinins are able to be produced in actively growing organs such as roots, embryos, and fruits

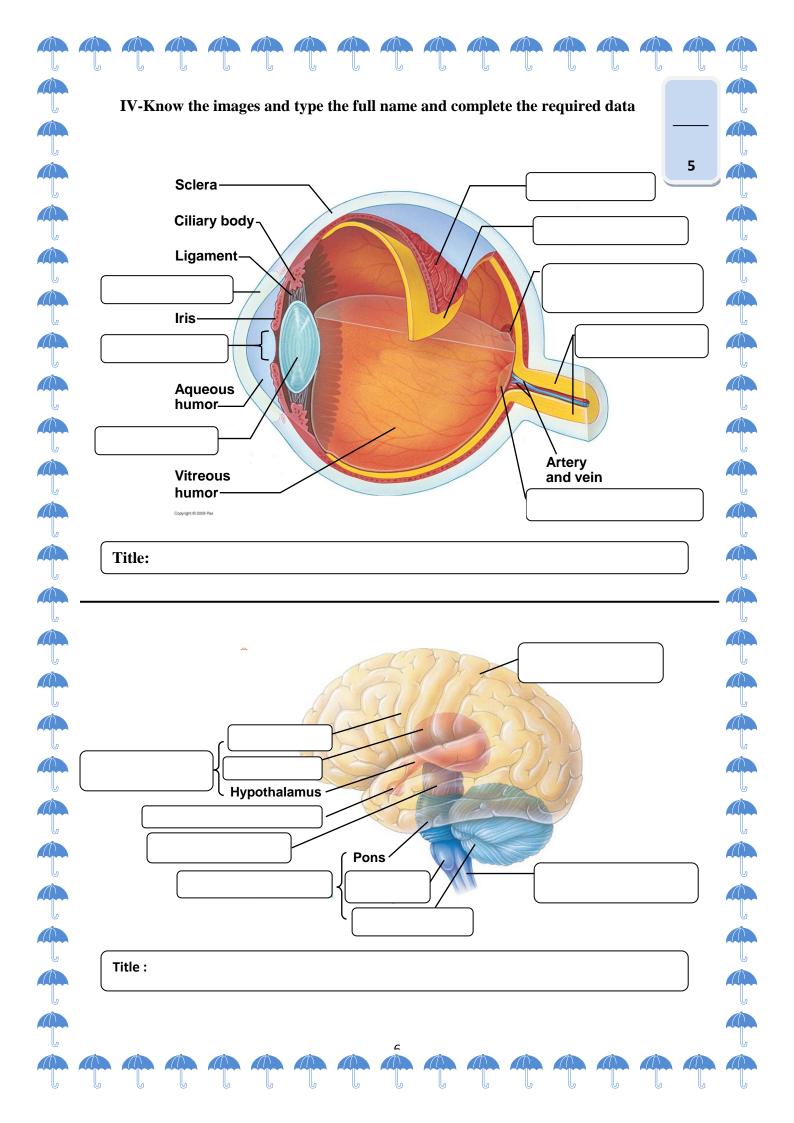
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5

5. The reason for naming the open circulatory system

III-Mention in points

Phagocytosis	
(the inflammatory	
response)	
Type of communication	
(sensory receptors)	
(Ecological Pyramid)	
Inner ear components	
blood functions	



5

Column	Column	Column
1	2	3
1-Cardiac output		tissue damage triggers response to release
		histamine and Limit further infection
2- Lymph organs		is composed of living communities and
		nonliving physical and chemical factors
3- Inflammatory response		Sets the rate of heart contractions, Generates
		electrical signals in atria
4- The biosphere		components include atmospheric gases,
		energy, nutrients, and water
5- Sociobiology		are proteins produced by virus-infected cells
		,interferons help other cells resist viruses,found
		only in vertebrates
6-Mechanoreceptors		clonal selection ,produces effector cells
		memory cells that may confer lifelong
		immunity
7-Primary immune response		Are packed with white blood cells that fight
		infections
8- Abiotic		respond to mechanical energy ,touch ,pressure
		,sound
9- Interferons		applies evolutionary theory to the study and
		interpretation of social behavior
10 The pacemaker		Amount of blood/minute pumped into systemic
		circuit

VI-True and false questions:

- 1- The importance of the lymph to being a mode of transport between the blood and the body's cells of different ()
- 2- natural immunity known as Specific immunity.()
- 3- Cell-mediated immune response Mount the humoral immune response ()
- 4- Semicircular canals play an important role in hearing ()
- 5- A farsighted eye (eyeball too short) ()
- 6- The knee-jerk reflex is in level of two nerons (sensory and motor) ()
- 7- The behavior of young ducks when you follow the first thing that moves in front of represents habituation ()
- 8- Parasitism is a relationship between two different types of living organisms living together with mutual benefits ()
- 9- Ecosystem interactions involve living(biotic)communities and nonliving(abiotic)(
- 10-In closed circulatory systems blood stays confined to vessels, without directly contact to the tissues ()