

**1. Nutrition \_\_\_\_\_**

- includes nutrients action
- includes nutrients interaction
- includes nutrients balance in relation to health and disease

**2. Substances that we must have in our diets in order for our cells to function properly include**

\_\_\_\_\_

- Vitamins
- Minerals
- Water

**3. Herbivores \_\_\_\_\_**

- one Example of them is sea urchin
- are plant-eaters
- one Example of them is cattle

**4. Carnivores \_\_\_\_\_**

- are meat-eaters
- one Example of them is lion
- one Example of them is hawk
- one Example of them is spider

**5. Omnivores \_\_\_\_\_**

- one Example of them is roache

**6. \_\_\_\_\_ are examples of Herbivores**

- Sea urchins

**6. \_\_\_\_\_ are examples of Omnivores.**

- Humans
- Rows

**7. A mosquito is an example of animals that use \_\_\_\_\_ to obtain and ingest their food**

- Fluid feeding

7. A \_\_\_\_\_ is an example of animals that use Suspension feeding to obtain and ingest their food

- tube worm

7. A \_\_\_\_\_ is an example of animals that use Fluid feeding to obtain and ingest their food.

- mosquito

8. The fourth stage of food processing is \_\_\_\_\_

- Elimination

8. The second stage of food processing is \_\_\_\_\_

Digestion

8. The Absorption is the \_\_\_\_\_ stage of food processing

- third

8. The Elimination is the \_\_\_\_\_ stage of food processing

- fourth

9. Which of the following statements are true ?

- There are two types of digestion

- Mechanical digestion breaks food down into smaller pieces

- Chemical digestion is enzymatic break down of large organic molecules into their components

10. The \_\_\_\_\_ is broken down by enzymes into Amino acids

- protein

10. The \_\_\_\_\_ is broken down by enzymes into Nucleotides

- Nucleic acid

11. The Chewing and mixing of food occurs in the \_\_\_\_\_

- mouth and stomach

11. The \_\_\_\_\_ tastes, shapes the bolus of food, and moves it toward the pharynx

- tongue

12. The function of salivary glands is the production of \_\_\_\_\_

- salivary amylase

**13. The \_\_\_\_\_ makes a minor contribution to immunity**

- appendix

**14. HDL is a cholesterol, \_\_\_\_\_**

- its level increases by exercise
- its level decreases by smoking
- tends to reduce blocked blood vessels

**15. In intracellular route \_\_\_\_\_**

- water transported from cell to cell through plasmodesmata

**15. In the extracellular route \_\_\_\_\_**

- water and solutes pass into the root in the porous cell walls of root cells
- water and solutes do not enter any cell plasma membrane until they reach the root endodermis
- The Casparian strip regulates uptake of minerals that enter the root

**16. A sugar sink is a plant organ that \_\_\_\_\_**

- store the starch

**16. A sugar source is a plant organ that \_\_\_\_\_**

- breakdown the starch

**17. The macronutrients are \_\_\_\_\_**

- elements that make up 98% of plant dry weight
- components of organic molecules
- often act as cofactors

**18. In A horizon soil the \_\_\_\_\_**

- topsoil subject to weathering
- layer contains humus (decayed organic matter)

**18. In B horizon soil the \_\_\_\_\_**

- layer contains dissolved elements

**19. Nitrification is the conversion of \_\_\_\_\_**

- ammonium to nitrates, the form most often taken up by plants

**19. Amonification is the conversion of \_\_\_\_\_**

- organic matter into ammonium

**19. Nitrogen fixation is the conversion of \_\_\_\_\_.**

- N<sub>2</sub> to ammonia

**20. Epiphytes \_\_\_\_\_**

- absorb water and minerals from rain

**20. Parasites \_\_\_\_\_**

- roots tap into the host plant's vascular system

**20. Carnivorous plants \_\_\_\_\_**

- trap and digest small animals such as insects
- absorb inorganic elements from prey

**21. The function of the liver is the production of \_\_\_\_\_**

- bile

**22. Stomata open \_\_\_\_\_**

- as a result of bowing of the guard cells
- as a result of a rise in potassium
- at day time