

7. COORDINATION IN LIFE PROCESS

1. 3:2:1:2 the ratio of our dentition. Here 1 Represents _____
2. Large protein molecule are broken down in _____ of digestive track _____
3. _____ is the strong acid which is secreted during digestion
4. Olfactory receptors present in _____ trigger signals to brain
5. P_H of saliva is _____ in nature
6. Fill in the blanks with suitable words given below

Fluctuations of hormone (i) _____ levels results in sensation of hunger and motivation of consuming food. When you feel your stomach is full and there is no need of food any more. Another hormone (ii) _____ that gets secreted suppresses hunger. When we take food into the mouth it has to be chewed thoroughly. For this purpose the (iii) _____ Muscles help in chewing actions, while the (iv) _____ muscles of the Jaw moves the Jaw up, down, forward and backward during food mastication . The (v) _____ nerve controls the muscles of the jaw under the action of (vi) _____ nervous system saliva are released by the salivary glands moistens the food to make chewing and swallowing easier. The salivary (vii) _____ in the saliva breaks down the starch into sugar. As a result of chewing the food is transported into the oesophagus by the action of swallowing which is coordinated by the swallowing centre in the (viii) _____ and the (ix) _____ the tongue which is gustatory recognizes the taste and (x) _____ nerve plays an important role in sensation of taste.

Choose the right ones

- (i) Leptin, Ghrelin, Gastrin, Secretin
- (ii) Ghrelin, Leptin, Secretin, Gastrin
- (iii) Deep muscles, surface muscles, circular muscles, striated muscles
- (iv) Surface muscles, deep muscles, neck muscles, long muscle.

(v)Fifth cranial nerve, second cranial nerve, fifth facial nerve, spinal nerve.

(vi)Central nervous system, peripheral nervous system, autonomous nervous system.

(vii)Lipase, Sucrose, Galactose, Amylase

(viii)Medulla oblongata, cerebrum, brain stem, 7th cranial nerve.

(ix)Pons varolii, brain stem, medulla oblongata, mid brain.

(x)6th Cranial nerve, 5th cranial nerve, 10th cranial nerve, optic nerve

7. Ghrelin is secreted from _____

8. _____ play a major role in carrying the hunger pangs.

9. Increase of ghrelin levels result in _____

10. The sense of taste is carried to the brain for analysis only after _____

11. The food in the mouth has been broken down in small pieces to _____

12. Teeth helps in the process of _____

13. The teeth which have sharp and pointed edges are _____

14. _____ have blunt and nearly flat surface

15. _____ muscles help in the movement of jaws

16. _____ muscles help in pushing the food into the mouth

17. Starch is broken down into maltose and dextrose by the action of _____

18. Swallowing is coordinated by _____

19. P_H beyond 7 is known as _____

20. P_H below 7 is known as _____

21. P_H 7 is known as _____

22. _____ litres of saliva is secreted daily.

23. _____ acts as lubricant in the oesophagus

24. Bleaching and burning sensation of stomach is due to _____

25. Partially digested food in stomach _____

28) Mucus

29) Villi

30) Secretion, Cholecystokin

31) Rectum

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