



## Ammabhagavan sharanam coaching center

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1. How will you test the gas that is released during photosynthesis?
2. Write an equation for photosynthesis showing all the requirements and the products formed.
3. What is the difference between oxidation and reduction?
4. What is the test that is made to prove photosynthesis?
5. How do you prove that  $\text{CO}_2$  is essential for photosynthesis?
6. Explain why extracted chlorophyll pigments are not sufficient to carry on photosynthesis?
7. How carbon dioxide is converted to glucose during photosynthesis?
8. What are the factors that control respiration?
9. What is oxidative phosphorylation?
10. What is cellular respiration?
11. What are respiratory substrates? Give two examples.
12. In which step of respiration, most of the energy is released from glucose? In what form that energy is formed?
13. What is the difference between combustion and respiration?
14. Write a brief account on glycolysis.
15. Write a brief account on the structure of mitochondria.
16. How can we show that heat is liberated during respiration? (Or) prove that heat is liberated during respiration?
17. What is respiratory system?
18. In which type of respiration lungs are used?
19. What are alveoli?
20. What is epiglottis?
21. What is meant by palate?
22. How trachea is prevented from collapsing?
23. Write short notes on cutaneous respiration in frog.

24. Describe the tracheal system of cockroach with a neat labelled diagram.
25. Write short notes on circulation in earthworm?
26. Write short notes on sinus venosus.
27. Write short notes on single circuit circulatory system.
28. Write short note on double circuite circulatory system.
29. What is open type of circulatory system?
30. What is closed type of circulatory system?
31. Write an account on heart of cockroach.
32. Write an account on circulation of blood in cockroach.
33. By which instrument the B.P. is measured?
34. What is the normal blood pressure in humans?
35. Write a short note on systole.
36. Write a short note on diastole.
37. Which tissue is called the fluid connective tissue of the body?
38. What is plasma?
39. What is serum?
40. What is heparin?
41. What are the proteins that help in the clotting of blood when the blood vessel is injured?
42. Write a short note on erythrocytes or R.B.C.
43. Write a short note on the necessity of blood transfusion.
44. Describe the different blood groups in man.
45. What is apical dominance?
46. What is a mixed gland? Give an example.
47. Write short notes on crinitism.
48. Write an account of simple goitre.
49. Write short notes on Titany.
50. What is the importance of pituitary gland in the body? Mention the hormones and their functions, their glands.
51. Write a brief account of adrenal glands.
52. Why the damage in certain disease like polio is permanent?
53. Give an account of various types of nerves found in human body.
54. What is cerebral cortex?
55. What are gyri and sulci? What is the advantage of these structures?
56. Give an account of mid brain.
57. Describe the structure of cerebrum.
58. Mentions the components of reflex arc?
59. Which is the decade of brain?

60. Ivan Pavlov's experiment a dog to demonstrate conditioned reflexes.
61. What is spawn?
62. What are the differences between a permatozoan and ovum?
63. Describe the female reproductive system of frog.
64. What is menstrual cycle?
65. describe the structure of human spermatozoa
66. How do you differentiate between HIV and AIDS?
67. Why life skills are necessary for everyone to face the challenges of life especially in the context if HIV.....AIDS? Which life skills would you practice?

**For objective questions  
please follow all in one**