

BRAIN INTERNATIONAL SCHOOL

BIOLOGY ASSIGNMENT

Class X

MAY' 2018

CHAPTER: LIFE PROCESSES

1. Explain the mechanism of breathing.
2. During breathing cycle what is the advantage of residual volume of air in lungs.?
3. Why and how does water enter continuously into the root xylem?
4. How do leaves of plants help in excretion?
5. Name the factors on which the amount of water reabsorbed depend on?
6. How is fat digested in our body?
7. How are the alveoli designed to maximise the exchange of gases?
8. What is systemic and pulmonary circulation?
9. Why is energy required by an organism even during sleep?
10. If the leaves of a plant first prepare food A by photosynthesis, then food A gets converted into food B. What are A and B?

CHAPTER: CONTROL AND COORDINATION

11. How many spinal nerves are found in humans?
12. Tendrils curl around objects. Why?
13. Mention the role of each of the following plant hormone: auxin, abscisic acid.
14. Mayank noticed that her sister had developed swollen neck. The doctor advised to take iodised salt. (i) name the disease from which Mayank's sister suffered.(ii) Why did the doctor advised her to take iodised salt?
15. Why is the flow of signals in a synapse from axonal end of one neuron to dendritic end of another neuron but not the reverse?