



### Chemical Basis Of Life

01. State the percentage of Minerals in human body in relation to body weight.
02. Mention two most abundant minerals among them.
03. Write 02 deficiency symptoms created in human body, due to the lack of following minerals

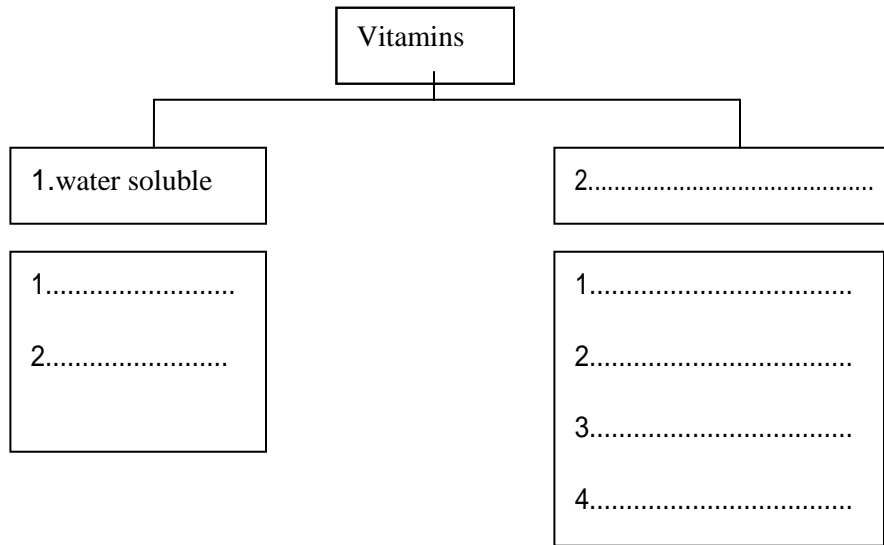
Mineral element	Deficiency symptoms
1. Pottasium	
2.Sodium	
3. Magnesium	
4. Calcium	
5. Phosphorous	
6.Iron	
7. Iodine	

04. Name two mineral types important for the transmission of nerve impulses.
05. State two mineral types essential for the growth of bones and tissues.
06. Mention two important roles of mineral Iron.
07. What is the mineral type needed for synthesizing Thyroxin hormone.
08. State the deficiency symptoms created in plant body, due to the lack of following minerals.

Mineral element	Deficiency symptoms
1. Potassium	
2. Nitrogen	
3.Sulphur	
4. Calcium	
5. Phosphorous	
6.Iron	
7. Zinc	

09. Name two mineral types needed for synthesizing Chlorophyll.

10. What is the mineral type needed for opening and closing of stomata?
11. Mention the constituent mineral elements of Nucleic Acids.
12. What is the mineral element needed to maintain the structure and function of plasma membrane?
13. State the two mineral types importance for the proper activity of Enzymes.
14. Fill in the blanks



15. State 2 deficiency symptoms shown in human body due to the lack of following vitamins

Type of Vitamin	Deficiency symptoms
<b>A</b>	
<b>B</b>	
<b>C</b>	
<b>D</b>	
<b>E</b>	
<b>K</b>	

**If the below given statements are correct put a tick of if they are incorrect put a cross.**

16. Vitamins are needed to form enamel. ( )
17. Vitamin A,B,C are importance for the maintenance of skin colour. ( )
18. Vitamin E is needed for the blood clotting. ( )
19. Vitamin A is needed for the synthesizing of visual pigments. ( )
20. Vitamin D is needed for the formation of bone marrows. ( )