



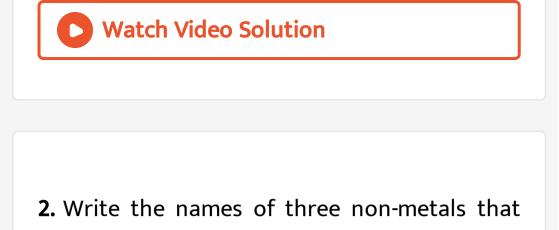
# **CHEMISTRY**

# **BOOKS - JNAN PUBLICATION**

# ROLE OF SUBSTANCES IN ENVIRONMENT



**1.** Write the names of two metallic and four non-metallic elements in the blank space.



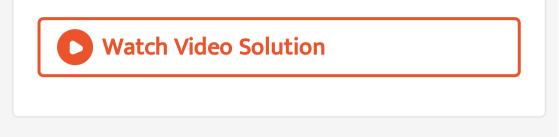
are more abundant in human body than in earth curst.



**3.** We can see that about 97% of the total mass of human body can be attributed to the

combined mass of four elements. Can you

identify them?



4. Mention the different parts of plants that

we take as food.

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5. We take different fruits of different plants.

Do they have the same taste?



### 6. The most abudant element found in human

body is

A. Aluminium

**B.** Silicon

C. Oxygen

D. Carbon

#### Answer:





7. If there is increased quantity of fat in a body

then water content is \_\_\_\_\_

A. less

B. exceeds

C. remain the same

D.

#### Answer:



# **8.** Next to oxygen, the most important requirement for our survival is \_\_\_\_\_

A. air

B. light

C. water

D.

#### Answer:

9. Iron is an essential component of\_\_\_\_\_

A. bones

B. red blood cells

C. nerve

D. skin

**Answer:** 

10. The major constituent of bone is a

phosphate of \_\_\_\_\_

A. iron

B. sodium

C. magnesium

D. calcium

#### **Answer:**

11. Energy required for germination of the

seed comes from \_\_\_\_\_

A. protein

B. water

C. carbohydratrates

D.

#### Answer:

**12.** Breakdown of lipids in a cell gives\_\_\_\_

A. strength

B. energy

C. stimulation

D.

Answer:

13. The fluid secreted from the body of an ant

is \_\_\_\_

A. acid

B. base

C. salt

D. alkali

#### **Answer:**

#### 14. Water in nature is \_\_\_\_\_

A. acidic

B. basic

C. neutral

D. alkaline

**Answer:** 

15. When acids are dissolved in water, they

release\_\_\_\_

A. oxygen ions

B. hydrogen ions

C. nitrogen ions

D.

#### Answer:

16. The ion which is present in common salt is

A. Sodium

**B.** Potassium

C. Berium

D. Calcium

Answer:

**17.** Iodine deficiency cause\_\_\_\_

A. high blood pressure

B. low blood pressure

C. goitre

D. heart disease

Answer:

**18.** A polymer called polythene is propared by

joining molecules of \_\_\_\_\_

A. Methane

B. Chlorinc

C. Ethylene  $(C_2H_2)$ 

D. Ethane

Answer:

**19.** The acid present in tamarind \_\_\_\_\_

A. malic acid

B. lactic acid

C. acetic acid

D. tartaric acid

#### **Answer:**



**20.** In general taste of alkali is\_\_\_\_\_

A. acidic

B. bitter

C. basic

D. tasteless

#### **Answer:**

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**21.** A crystalline subject\_\_\_\_\_

#### A. chalk

B. lime

C. sand

D. sugar

#### Answer:

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# **22.** If the pressure of blood increases what

may happen in our body\_\_\_\_\_

A. veins can rupture

B. heart valves may be damaged

C. blood clots may be formed in the brain

D. all are true

Answer:

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**23.** Fill in the blanks :

Human body is mainly formed of the combined

mass of \_\_\_\_\_ elements.

<b>24.</b> Fill	in	the	blank	<s :<="" th=""></s>
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We get \_\_\_\_\_ from inorganic compounds.



25. Fill in the blanks :

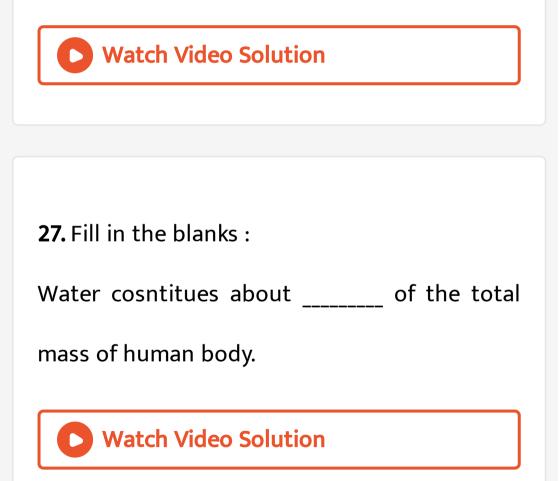
Using the energy of \_\_\_\_, plants produce

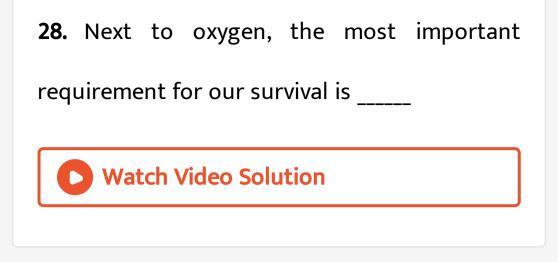
glucose.



\_\_\_\_\_ is an important constituent of the

body of organisms.





The major constituent of bone is a phosphate

of \_\_\_\_\_.

Without ferrous  $\left(Fe^{2\,+}
ight)$  ----- of blood's red

blood cell cannot function.



**31.** Fill in the blanks :

Energy required for germination of the seed

comes from \_\_\_\_\_ stored in it.

The protein called haemoglobin tranports

\_ to different parts of our body.



**33.** Fill in the blanks :

Bases soluble in water are known as\_\_\_\_\_.



All \_\_\_\_\_ are bases but all bases are not

alkalis.



**35.** Fill in the blanks :

Lemon juice causes stain on\_\_\_\_\_floor.



The concentrated alkali solution is extremely

harmful for skin and \_\_\_\_\_.



**37.** Fill in the blanks :

Our body also contains acid in the \_\_\_\_\_.



of Calcium in our body is in our bones.

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**39.** Fill in the blanks :

\_\_\_\_is necessary for deposition of Calcium

in the bones.

One important constituent of our blood is



•\_\_\_\_•

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**41.** Fill in the blanks :

To meet the demand of salt in reserve forests

there are \_\_\_\_\_ for animals.

\_\_\_\_\_ helps in maturation of brain, so it is

essential for children.

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**43.** Fill in the blanks :

Generally iodine deficiency problems are more

in \_\_\_\_\_ regions than in plains.

The fibres in the plant body are made of

different types of \_\_\_\_\_ polymers.

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**45.** Fill in the blanks :

The muscles, tendons, ligaments etc of animal

bodies are made up of \_\_\_\_\_, which also are

polymers.

\_\_\_\_\_ is the sodium or potassium salt of some organic acids which are prepared from the reaction of coustic soda or caustic potash with \_\_\_\_\_ or oils.

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**47.** Fill in the blanks :

\_\_\_\_\_ is used for writing or printing is mixture of pigments.



\_\_\_\_\_ is a mixture of oxides and Silicate compounds of many metals like Calcium, Aluminimum, Iron etc.



**49.** Fill in the blanks :

Some of the widely consmed soft drinks in our

country are found to contain\_\_\_\_\_ in

alarming quantities.



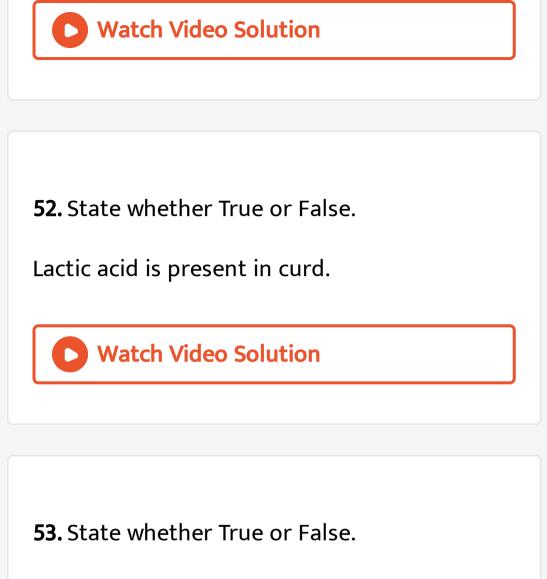
**50.** State whether True or False.

Carbonic acid is present in vinigar.

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**51.** State whether True or False.

Apple contains malic acid.



Our body contains acid in the stomach.

**54.** State whether True or False.

Alkali turns moict red litmus white.



**55.** State whether True or False.

The taste of blood is sour.

Water does not change the colour of litmus

paper.



**57.** State whether True or False.

If our kidneys get affected due to some

reason, then urea, uric acid and creatinine

levels in the blood decrease.



Common salt is a white, crystalline mixture.

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**59.** State whether True or False.

Some salt enters our body through the water

we drink.

Pure sodium chlroide absorbs water from air.



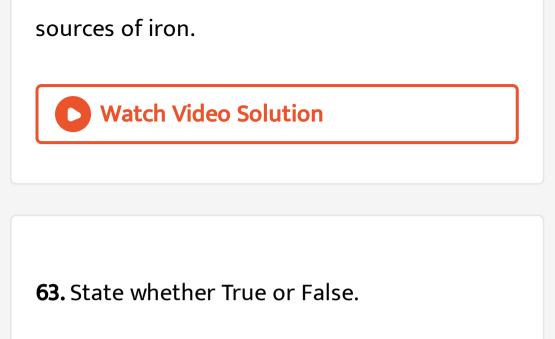
**61.** State whether True or False.

The main constituent of human blood is water.

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**62.** State whether True or False.

Milk, curd, bones of small fishes are the main



Cactus Acacia, Palm grow in hot and dry areas.

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**64.** State whether True or False.

Iodine helps in maturation of brain.



Many small molecules join together to form a

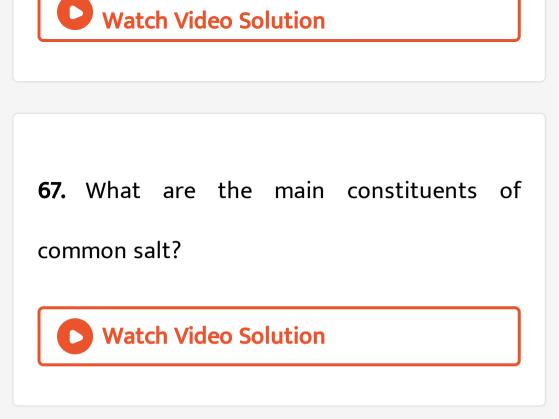
molecule of a polymer.

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#### 66. SCIch the column A with column B.

Column A	Column B
a) PET is used for	i) are present in tomato
b) Many countries has banned	ii) grow in mangrove forest
c) The substances decomposed through	iii) preparing bottle and food boxes
d) Malic, oxalic and sitric acids	iv) high temperature
e) Carbonic acid is present	v) haemoglobin cannot be formed
f) Animals that hunt at night	vi) DDT as pesticide
g) Cactus can tolerate	vii) natural process are known biodegradables
h) Without ferrous ion	viii) res. litmus blue
i) Sundari trees	ix) can see in the dark
j) Alkali turns	x) in sodawater





## **68.** What is the symbol of Sodium Chloride?

69. What are the two functions of Calcium?



**70.** What are four elements prevalent in human, bacterial, fungal, plant and animal bodies?



71. How the harmful compounds of our body

are excreted?

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**72.** What are the different components of paints?



73. What is the reason for wide use of cement?

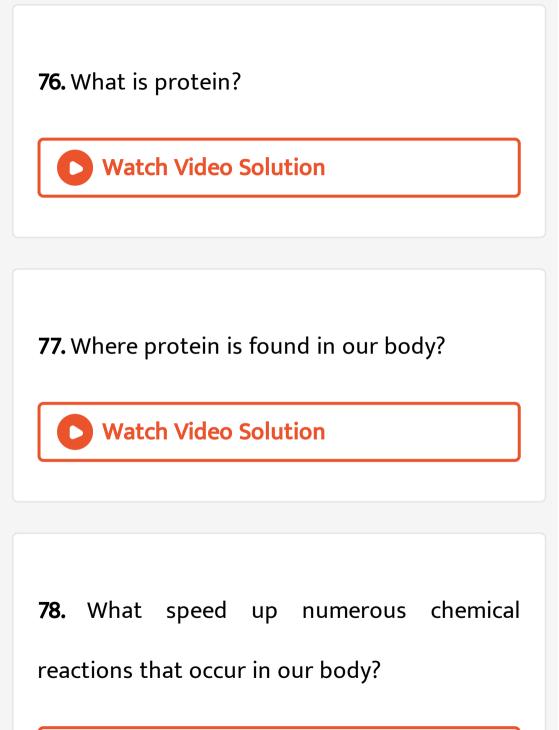


**74.** What will happen of you prepare ball of cement, sand and water and keep it over-night?

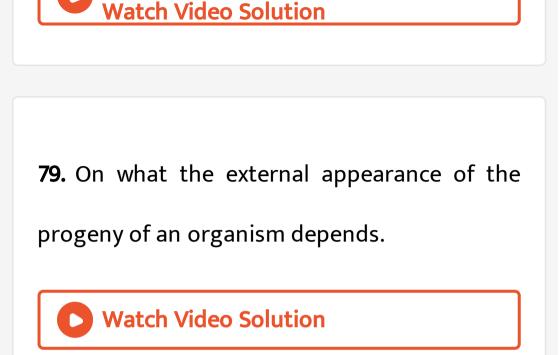


**75.** Write the name of three non-metallic element.









## 80. What partly determines the behavioural

pattern of an animal?

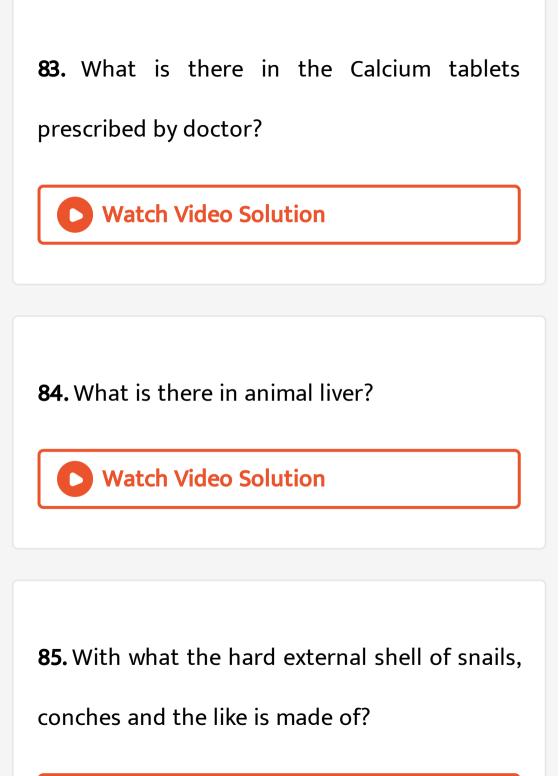
81. Name the four metals that are essential for

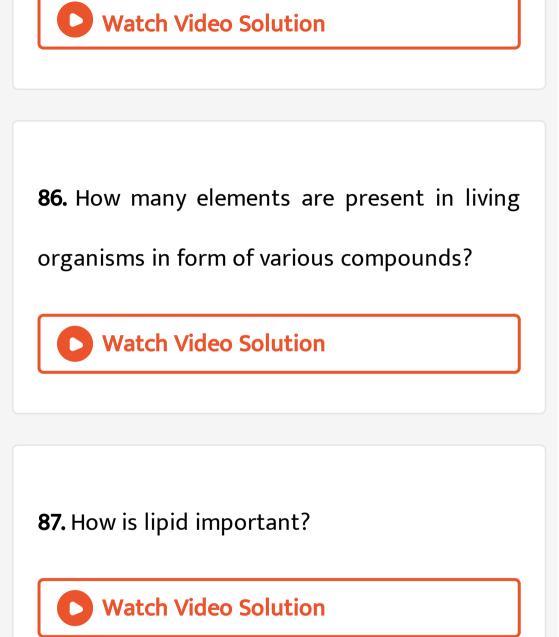
our survival.



82. When you eat fried fish, you ingest very small pieces of bone along with the fish, what it contains?







88. Name some substances other than fruit

which tastes sour?

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89. What is acid?

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**90.** From where the word acid come from?

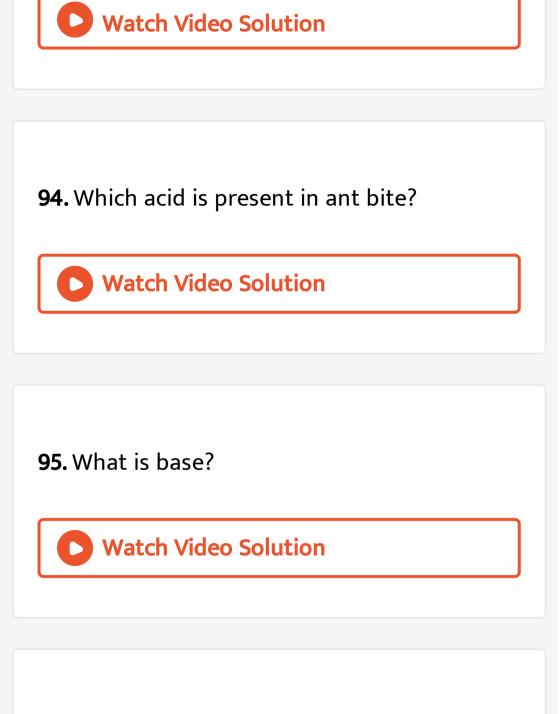
**91.** Name an acid which produced in our stomach, how is it useful?



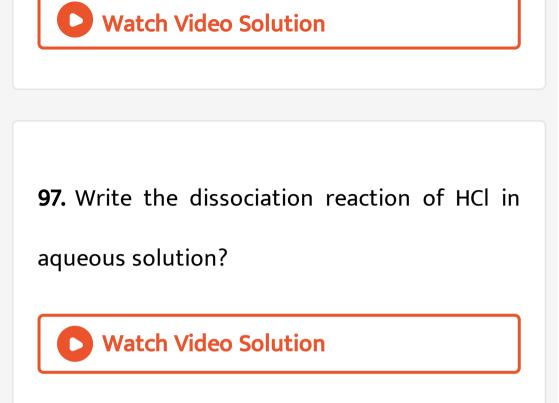
## **92.** What we take to reduce acidity in stomach?



**93.** What is neutralisation reaction?



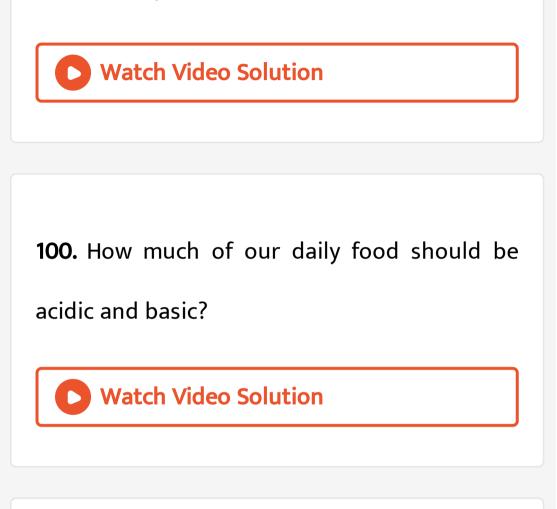
96. What is alkali?



## 98. How can you write the dissociation of

slaked lime in lime water?

**99.** What is pH scale?



101. Name the foods which are basic in nature.

**102.** Name the foods which are acidic in nature.



#### 103. How many types of salt do we use now a

days as food?

104. What is the medium of communication in

our body?

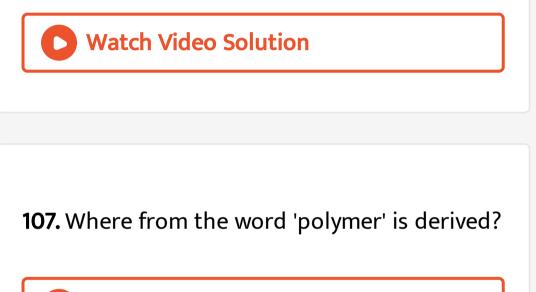
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105. What assists the nerve in the activity of

communication?

106. What will happen if the level of salt in our

body suddenly decreases due to some reason?



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108. Name some fertilisers.

**109.** Name some pesticides.

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## 110. What are the adverse effects of Lead and

Mercury?



111. What has been found in some of the widely consumed soft drinks in our country?Watch Video Solution

112. What herbal medicine was used earlier for

small cuts or bruises?



**113.** In early days what was used for dying of clothes?

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## 114. Whose body contains more water male or

female?



115. Whose body contains more water child or

adult?

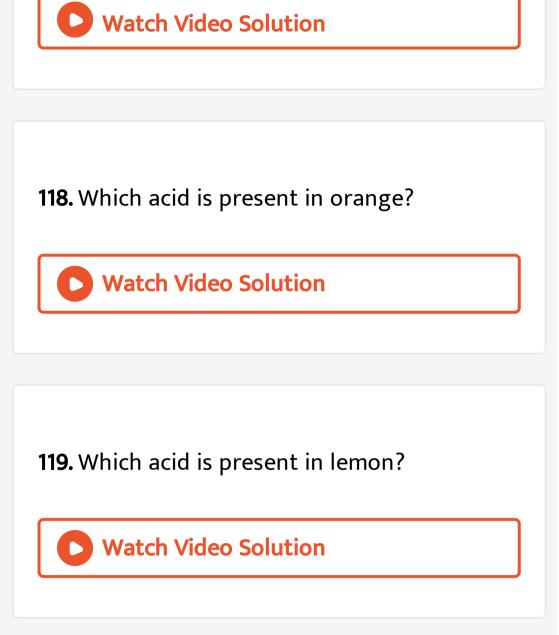


116. Whose body contains more water a thin

person or a fat man?



**117.** Which acid is present in viniger?



120. Where the maximum amount of Calcium

lies in our body?

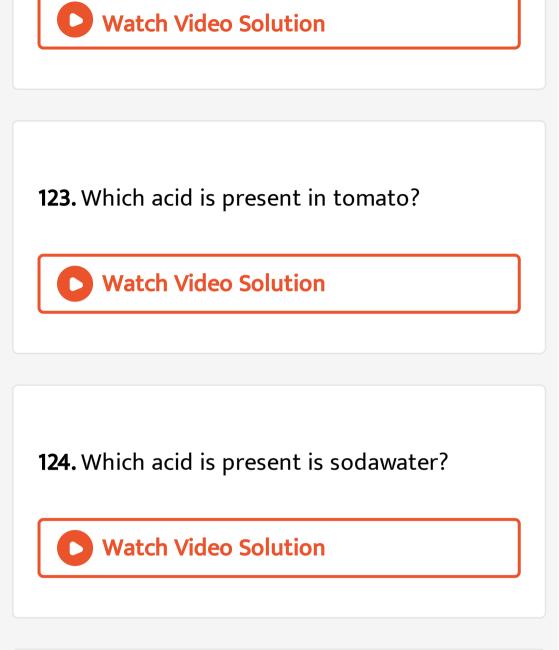
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**121.** What is organic Sea-salt?

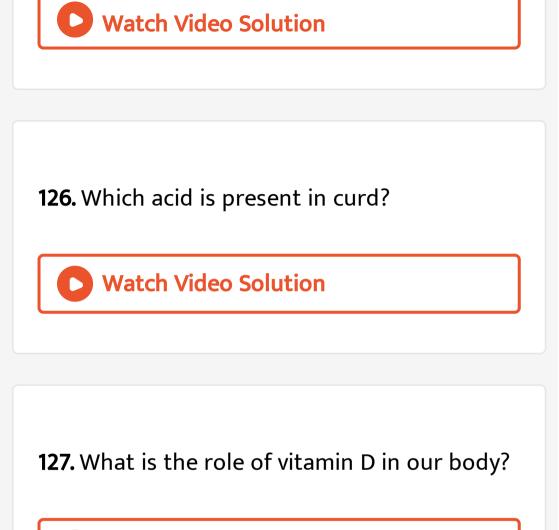
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**122.** What is the effect of reduced activity of

thyroid glands on femals?



**125.** Which acid is present in tamarind?



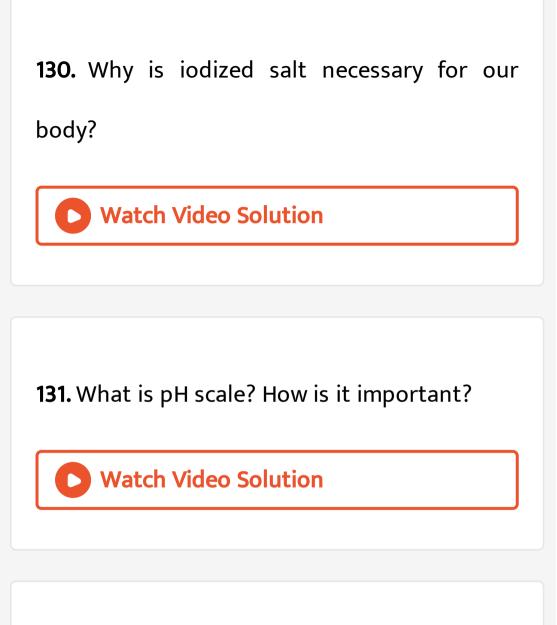


128. What are the function of different
enzymes present in our body?
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## 129. How does glucose produce energy in our

body?





**132.** What is thyroid gland?

**133.** What is Goitre?

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**134.** What is soap?

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135. What is polymer?

136. What harm nylon net are causing in the

environment?



## 137. Why cement and sand-based construction

need watering?



**138.** How is water helpful in human body?



**139.** What are the two factors on which the acid-base balance of human body depends? Why it is necessary to maintain a fixed acid-base balance in human body?

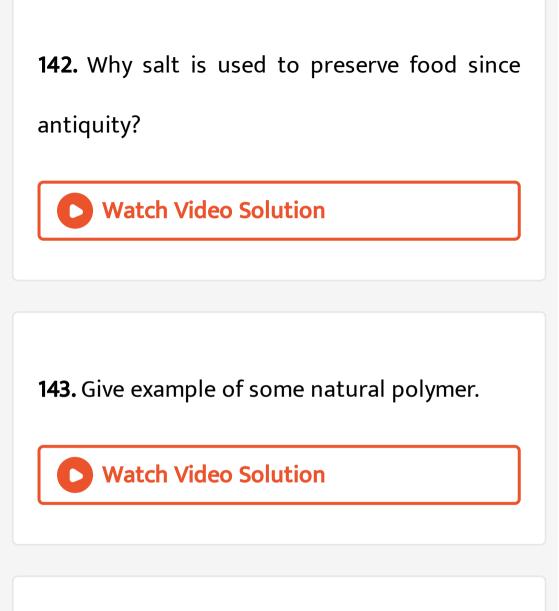


140. What is the sources of Calcium that is

essential for body?

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**141.** In most cases, mango or other fruit or vegatable slices are coated with common salt and dried in the sun, why?



**144.** How many types of platics are there?

**145.** What are detergents?

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146. What are the harmful effects of DDT and

other pesticides?

147. What does glass consists of? What mixed

compound is used to prepare yellow, blue and

green coloured glass?



# **148.** Define biodegradable and non-biodegradable wastes.



 149. What are the general properties of common salt?

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