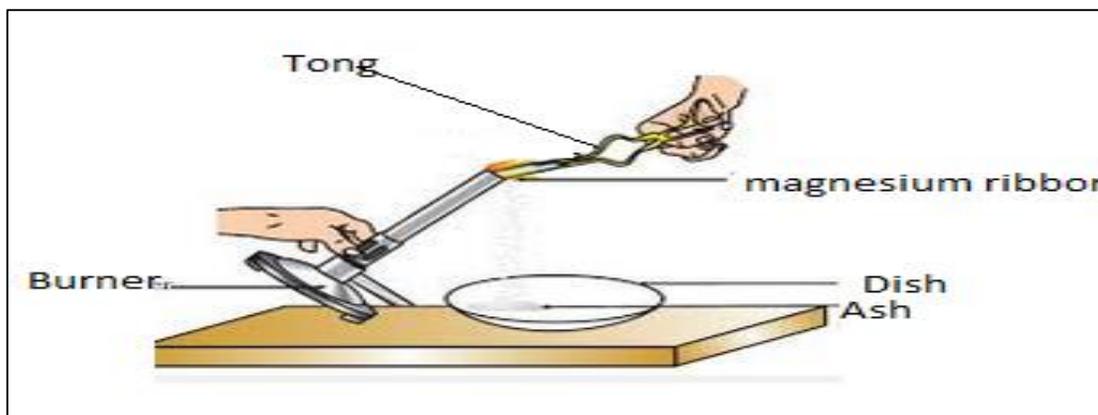


Name:
Class: VIISubject: BIO & CHEM
Date :

Answer the following questions:

1. Blue litmus paper is dipped in a CHINAROSE EXTRACT. It turn green. What is the nature of the solution?
2. What is caecum?
3. Write molecular formula of lime water and baking soda
4. Name the largest gland in human body.. What is its function?
5. What type of reaction is given below? State one application of such reaction.
$$\text{Acid} + \text{base} = \text{Salt} + \text{Water} + \text{heat}$$
6. What are the chief component of wool fibres and cotton?
7. Name the following:
 - A. Science of rearing silk worms so as to obtain wool.
 - B. The best soil for growing plants.
 - C. The soil which is for making earthen toys
 - D. The elements of weather
8. Look the experiment setup given below and answer the following questions.



Magnesium ribbon is burnt and ash is collected. The ash is mixed with small amount of water in a test tube. Now solution is tested with red and blue litmus papers.

- a. Write the chemical reaction for burning of magnesium ribbon and oxygen. Name the ash formed.
 - b. Write the chemical reaction between ash and water. Name the product
 - c. Does mixture solution turns red litmus blue or blue to red? What conclusion you draw about the solution of ash in water, acid or base?
9. What do you understand by physical properties of a substance? Is crystallization an example of physical change?
10. Why does milk get sour on keeping it for some time? What substances are added by the milkman to keep it fresh?
- 11.
- A What is camouflage?
 - B Why is it important for animals? Give an example
12. . A. Why it hurts when someone pulls his hair but not when he goes for a haircut?
- B. Which two diseases are very common among the workers of sericulture industry?
- 13.
- A Which regions of the earth have severe climatic condition?
 - B What are the features of tropical region
- 14.
- A What will happen if we drop water on an unpaved road and on a floor in a house?
 - B How can we calculate the rate of percolation in soil sample?
- 15.
- A Give two functions of the large ears of elephant.
 - B Differentiate between weather and climate(two points)
16. Draw labelled diagrams of ---
- A Human digestive system
 - B Amoeba
 - C Write a short note on structure and feeding of amoeba.
 - D Write a short note on structure and feeding of amoeba.