



# JAFFNA HINDU COLLEGE

## Risk Holiday Self - Education Worksheet - 2020

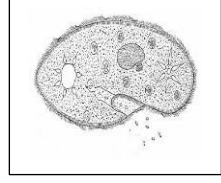
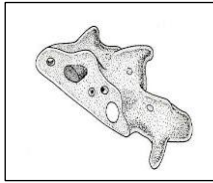
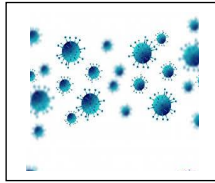
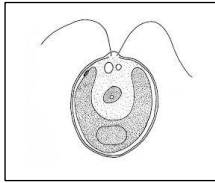
Grade - 08 | Science

Name/Index No : .....

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### Give correct Answers

I. Some micro-organism pictures are given to you as shown in our environment.



A

B

C

D

E

1. Identify the organism A, B, C, D, E

A.....

B.....

C.....

D.....

E.....

2. Which one of the organism that only observes under the electron microscope?

.....

3. Mention autotrophic organisms.

.....

4. Give two industrial products that used by micro-organism yeast.

.....

5. Organism B that show living and non-living characters give one reason for living character.

.....

6. Which micro-organism that caused to typhoid?

.....

7. How to call changes of microbial activities rich in lipid foods?

.....

8. Give two benefits of human by micro-organisms.

.....

## Unit – 2

### Animal Classification

1. Classification is important to identify the organism.  
Write the answer use to following organisms.

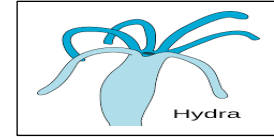
A



B



C



D



E



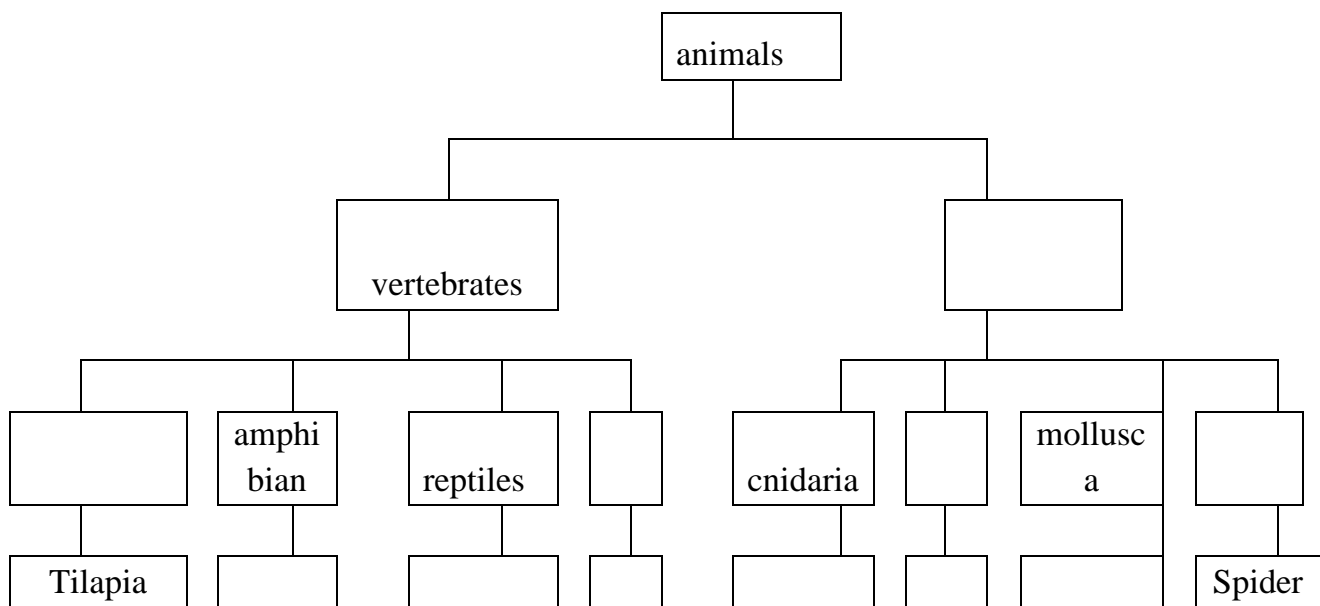
F



- Differentiate the above organisms vertebrate and invertebrates.  
Vertebrates : .....  
Invertebrates : .....
- Mention the group of organism above identifies the invertebrates.  
.....
- Which one of the above animal has jointed appendages?  
.....
- Mention the respiratory organs of organism E.  
.....
- Which organism has wet skin?  
.....
- Which is the shape of body in organism D ? Mention the benefit it's have above shape of organism?  
.....
- Give three common features of organism A.  
.....  
.....  
.....
- Which organism has radial symmetry?  
.....
- Which are same group of organisms?  
.....
- Mention two benefits to classify the organisms.  
.....  
.....

II. Fill in the following chart that indicates classify the animals our environment.

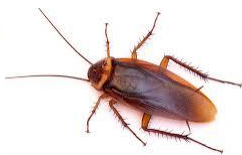
1.



2. The following animals that shown science activity in the laboratory..



A



B



C



D



E

Write the suitable English letter that correct features of animals.

- 1. Exoskeleton : .....
- 2. Muscular foot : .....
- 3. Has vertebral column : .....
- 4. Segmented body shape : .....

3. Give three differences between birds and mammals.

.....

.....

.....

## Unit - 3

I. Answer the questions use to following pictures.



A

B

C

D

E

1. Which is/ are underground stems?

.....

2. Write three important of underground stems.

.....

3. Which is/are store food in tap root?

.....

4. Which is reproducing runners?

.....

II. 1. What is transpiration?

.....

2. In which area of environment plants that adapted to reduce transpiration?

.....

3. Fill in the following table.

No.	Plants	Adaptations to reduce transpiration
1.	Cactus	
2.	Temple flower	
3.	Pirattai / Navahandi	
4.	Pumpkin	
5.	Aloe	

4. Fill in the following table.

No.	Leaf arrangement	Example
1		Guava
2	Whirl arrangement	
4		Kanda /Vattakkanni
5	Alternative arrangement	

### Unit - 4

I. Following chemicals are used in laboratory activities.

Sulphur, Carbon dust, Copper sulphate, Condis, Iron filing.

1. Identify the colour of above chemicals.

Chemicals	Colour
Sulphur	
carbon dust	
copper sulphate	
Condis solution	

2. What is element?

.....

3. Classify above chemicals as elements and compounds

Element	Compound

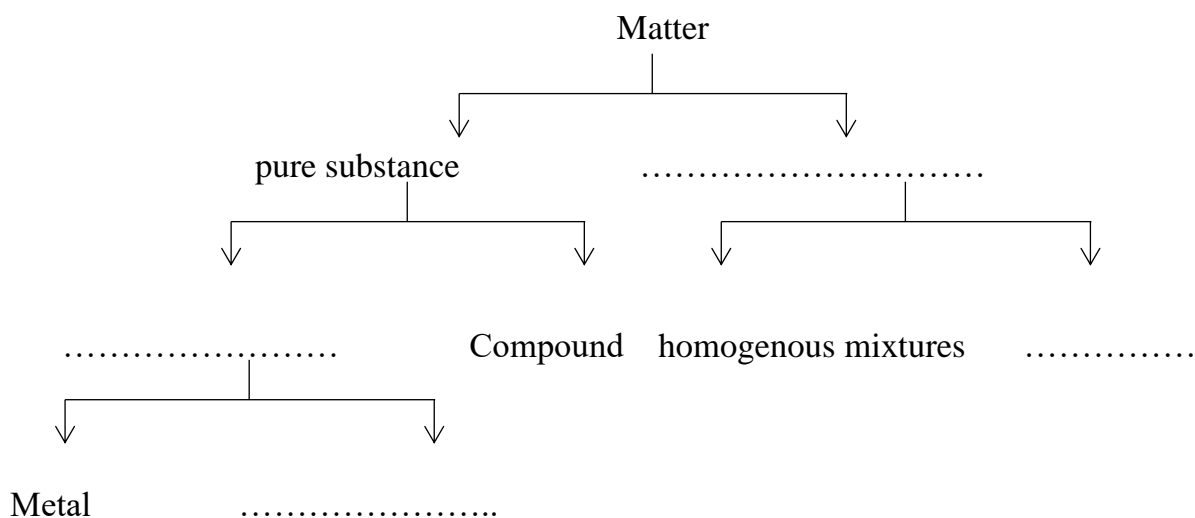
4. Mention the elements that are found in copper sulphate.

.....

5. Give the chemical name of common salt.

.....

6. Which chemical compound that is formed heat within iron dust and sulphur?. Give the colour of the compound?  
.....
7. Give two observations when heating the sulphur.  
.....
8. How to separate sulphur and iron filing are mixed?  
.....
9. Which chemical that used to identify the water in laboratory?  
.....
10. Fill in the table.



II. The following figure that show measure the density of pure water.



1. What is density?  
.....
2. What is the international unit of measuring density?  
.....
3. Name the instruments X and Y that used to above activity.  
  
X - .....  
Y - .....
4. Which quantity that measure the instrument Y ?

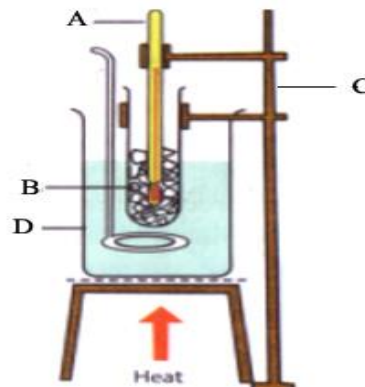
.....  
 5. Which activity that should be first before fill with water X ? Mention the reason.  
 .....

6. Which is high density liquid?  
 .....

7. Give one use of measure the density of substance.  
 .....

8. What is your observation when cork put in to the water? Mention the reason for your answer.  
 .....

.....  
 III. The following experiment to find out whether the melting point of pure substances has a constant value.



1. Identify the apparatus A,B,C,D  
 .....

2. What is your observation when heated?  
 .....

3. What is melting point of ice?  
 .....

4. What is the use of stirrer?  
 .....

5. How to call the liquid convert to gas at particular temperature?  
 .....

6. Fill in the following table.

No.	Physical qualities	Instances	substance
1.	Hard		Diamond
2.	Expand	Measure the temperature	
3.	Soft		
4.	Elasticity		

**Unit -5**

01. Some of the sounds we hear in the environment occur naturally while some others occur artificially.

1. How to produce sound?

.....

2. Write five examples sound that produce by natural and artificial things.

Natural sounds	Artificial sounds

3. What is frequency? mention the unit of frequency?

.....

4. What is the frequency of an object vibrates 100 within 2 seconds?

.....

5. Which one is high frequency ( P & Q ) ?



**P**



**Q**

6. Classify the following instruments according to the vibrating parts.  
( Drum, Violin, Flute, Veena, Thabla, Udukku )

.....  
.....

7. Sound producing set up arranged by a student that is given to you.





**A                      B                      C                      D                      E**

1. In which part vibrates that produce the sound above set up?  
 .....
2. Which glass is produce high frequency sound when is kept in order A to E.  
 .....
3. In high frequency of sound produce veena by vibrating ..... (Long length/ short length) of string.
4. Membrane of drum ..... (thick/ thin) vibrating low frequency of sound produce.
5. Write the different between music and noise.  
 .....
6. What is sound therapy?  
 .....
7. Give two benefits of sound therapy.  
 .....
8. Mention the frequency range of human hearing.  
 .....
9. How about vibration of musical instrument when producing music?  
 .....