

**Home Assignment****Science****Class-8****1. Answer the following questions in one word/sentence(Each question carries one \*):**

- i. Write down the scientific name of human beings.
- ii. Which one is the lowest rank of the taxonomic unit?
- iii. What is “Coelenteron”?
- iv. “Compound Eyes” is the characteristics of which phylum?
- v. During which cell division nucleus is divided twice?
- vi. Which cell division is the division of somatic cell?
- vii. At which stage of mitosis cell division the chromosomes start to move towards the poles?
- viii. What is the difference between DNA and RNA?
- ix. Cell membrane is which type of membrane?
- x. How many types of transpiration process are there? What are they?
- xi. Which tissues are required for transportation process in plant?
- xii. Write down the types of artificial vegetative reproduction.
- xiii. In Paddy pollination is occurred through which agent?
- xiv. What is tegmen?
- xv. Who discovered Auxin hormone?
- xvi. Which hormone helps to overcome the dormancy of seeds?
- xvii. Which one is the longest cell of the human body?
- xviii. If an atom has 11 electrons and its atomic mass is 23, what will be the proton and neutron numbers?
- xix. How many isotopes does Hydrogen have? What are they?
- xx. Draw the figure of electronic configuration of a Carbon atom.

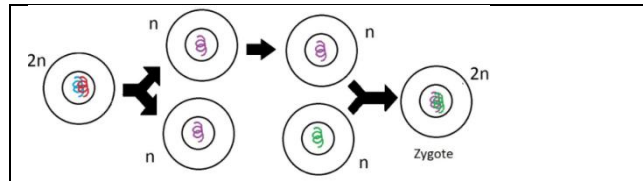
2. Answer the following creative questions:

i.

Animal	Characteristics
X	Belong to the largest phylum of animal kingdom
Y	Body tubular and segmented
Z	Body covered with hair

- a) What is the full form of ICZN? \*
- b) Why are the members of porifera phylum known as sponge? \*\*
- c) Explain the dissimilarities between the phylum in which 'X' and 'Y' animals belong to. \*\*\*
- d) "Which animals are more developed among 'X', 'Y' and 'Z'? Analyze with logic. \*\*\*\*

ii.



- a) Who is regarded as the Father of Genetics?\*
- b) What do you mean by heredity? \*\*
- c) Explain the process shown in the above diagram. \*\*\*
- d) Analyze the importance of the process of cell division shown above. \*\*\*\*

iii. Kismis which is available in the market is dried and shrunk. If kismis is kept in water for sometime, it swells up. Dried and shrunk Kismis swelled up by one kind of special process.

- a) What is imbibition? \*
- b) Why is transpiration called "the necessary evil"? \*\*
- c) Explain the cause of the change of Kismis after keeping in water. \*\*\*
- d) Analyze the importance of the above special process in plants. \*\*\*\*

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