



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

## WORK SHEET – 4 (solutions)

Sub: LIFE SCIENCES

Class: IX

Date: 10.04.2020

Topic: CELL : Nucleus, Mitochondria and plastids

F. M.: 1X15

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**Choose the correct option:**

**(1x15=15)**

- Largest cell organelle is:  
a) nucleus b) ribosome c) plastids d) mitochondria  
**Answer : Nucleus (a)**
- Instead of nucleus in prokaryotes DNA is found in which region:  
a) Nucleosome b) Nucleic c) Nucleoid d) Nucellus  
**Answer : Nucleoid (c)**
- Condensed structures of chromatin before cell division are called:  
a) centromere b) chromonemata c) chromosome d) none of these  
**Answer : Chromosome (c)**
- A nucleolus is structurally made up of:  
a) Proteins and DNA b) RNA only c) rRNA and proteins d) RNA and proteins  
**Answer : r RNA and proteins (c)**
- Organelle known as the power house of cells:  
a) Mitochondria b) Endoplasmic reticulum c) Golgi Bodies d) Nucleus  
**Answer : Mitochondria (a)**
- The outer covering of the nuclear envelope is in continuation with which organelle:  
a) Golgi Bodies b) Endoplasmic reticulum c) lysosomes d) mitochondria  
**Answer : Endoplasmic reticulum (b)**
- Cellular respiration includes:  
a) uptake of nutrients b) Breaking of nutrients c) Release of energy d) All of these  
**Answer : All of these (d)**
- Which of the following is a double membrane structure?  
a) Nucleus b) Mitochondria c) chloroplast d) all of these  
**Answer : All of these (d)**
- The function of cristae is:  
a) Structural support b) transport c) increase of surface area d) Defense

**Answer : increase of surface area (c)**

10. The fluid present inside the mitochondria is called:

- a) cristae b) ATPase c) matrix d) stroma

**Answer : matrix (c)**

11. Which of the following is a plastid:

- a) chromoplast b) leucoplast c) chloroplast d) all of these

**Answer : all of these (d)**

12. Plastid responsible for the colour of the petals:

- a) Leucoplast b) rhodoplast c) chloroplast d) alueronplasts

**Answer : rhodoplast (b)**

13. The brown colour plastids are called:

- a) Leucoplasts b) Phaeoplasts c) Rhodoplasts d) chloroplast

**Answer : Phaeoplasts (b)**

14. The stacked thylakoids are called:

- a) frets b) stroma c) grana d) lamellae

**Answer : grana (c)**

15. The clusters of chlorophyll molecules are present on:

- Stroma b) outer surface of chloroplast c) membrane of thylakoid d) frets

**Answer : membrane of thylakoid (c)**

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