

TENDER HEART HIGH SCHOOL

CLASS X BIOLOGY

DATE 16.12.2024

Tips

difference between close / similar sounding words

- **Stoma – Stroma**
- **Lysosome – Lysozyme**
- **Corpus callosum – Corpus luteum**
- **Neuron – Nephron**
- **Somatostatin – Somatotropin**
- **Ureter – Uterus**
- **Centromere – Centrosome**
- **Oogenesis- Ovulation**

Tips and suggestions

Common Errors observed almost every year- Spelling mistakes

INCORRECT	CORRECT
NEFRON	NEPHRON
PHOTOMETER	POTOMETER
SPHINTER MUSCLES	SPHIN C TER MUSCLES
CONJUNTIVA	CONJUN C TIVA
CHORID	CHOROID
LOOP OF HELEN	LOOP OF HENLE
THIAMINE / THYAMINE	THYMINE

Tips and suggestions

Common Errors observed almost every year- Spelling mistakes

INCORRECT	CORRECT
OXYTOXIN	OXYTOCIN
TSH – THYROXINE STIMULATING HORMONE	TSH- THYROID STIMULATING HORMONE
SCORTUM	SCROTUM
RADICAL	RADICLE
LEVER	LIVER
CARYOKINESIS	KARYOKINESIS
EQUATORIAL PLAIN	EQUATORIAL PLANE



Tips and suggestions

Whenever there is a flow of any substance in an organism (whether plant or animal)

From and to needs to be mentioned

E.g. - ureter

- carries urine X
- carries urine from the kidney X
- carries urine to the urinary bladder X
- Carries urine from the kidney to the urinary bladder. ✓



Tips and suggestions

E.g.- Xylem

- conducts water and minerals X
- conducts water and minerals from the roots X
- Conducts water and minerals to all parts of the plant body X
- conducts water and minerals from the roots to all parts of the plant body. ✓



Tips and suggestions

Structure of chromosomes, Cell cycle and Cell Division

- Focus on difference between Centriole/Centrosome.
- Textbook mentions Early/Late Prophase and Anaphase.

If subsequent phase is asked and early prophase is given in the QP – students to draw the next phase i.e. Metaphase/ not late prophase.



Tips and suggestions

Questions on drawing the preceding/ subsequent phase

- ➡ **Maintain the type of cell as shown in the QP**
- ➡ **Maintain the shape of the cell as shown in the QP**
- ➡ **Maintain the chromosome number as shown in the QP**
- ➡ **Labelling to be done**



Tips and suggestions

- Stress on the difference of nucleosome/ nucleotide.

- Full form of DNA

Deoxyribonucleic acid not **di**oxyribonucleic acid

- 4 nitrogenous bases of DNA

Adenine, Thymine, Guanine, Cytosine

Common error – **Thiamine** instead of Thymine