



Senior Secondary Biology

Topic: Cell Structure and Functions-2

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Fill in The Blanks using Drag and Drop

Dear Students

Read the following passage carefully. You will require to fill in the blanks marked (1-10). The Terms to fill in are available in RED. Drag and place in the table against the serial numbers. Enjoy the game and Evaluate yourself.

NUCLEUS

The nuclear matrix or (1) contains (2) and chromatin. Chromatin contains DNA and some basic proteins called (3). Every chromosome essentially has a primary constriction or the (4) on the sides of which disc shaped structures called (5) are present.

The (6) chromosome has middle centromere forming two equal arms of the chromosome. The (7) chromosome has centromere slightly away from the middle of the chromosome resulting into one shorter arm and one longer arm. In case of (8) chromosome, the centromere is situated close to its end forming one extremely short and one very long arm, whereas the (9) chromosome has a terminal centromere. Sometimes a few chromosomes have non-staining secondary constrictions at a constant location. This gives the appearance of a small fragment called the (10).

Nucleoplasm Satellite acrocentric Kinetochores metacentric
Histones telocentric Nucleolus Centromere sub-metacentric
kinetochores

1		6	
2		7	
3		8	
4		9	
5		10	