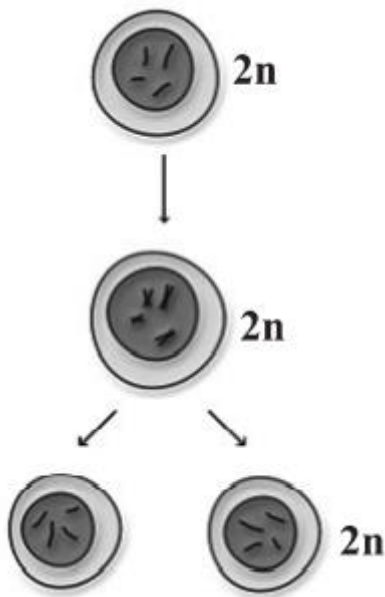


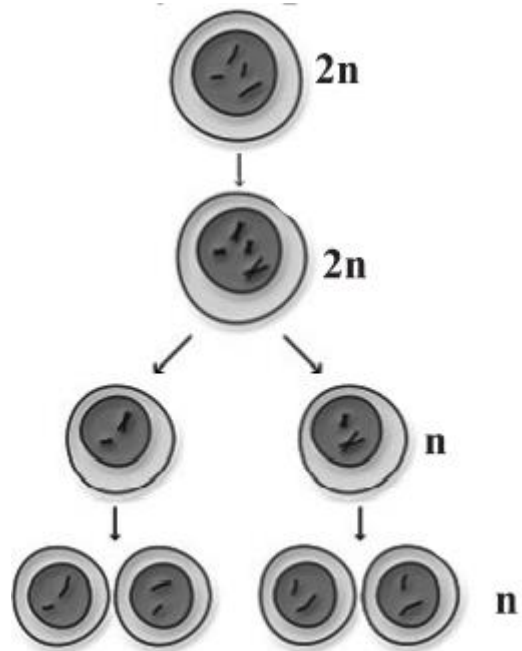


**Structure and Functions of Plant and Animal cell**

01. Name the two main methods of cell division indicated below.



A.....



B.....

02. Write the differences between the two division methods mentioned above.

A	B

03. Briefly explain how the cell division process is important for the human body.

.....  
.....  
.....

04. Mention the number of chromosomes contained in the following cells of human body.

i. Somatic cells - .....

ii. Gamete cells - .....

05. There are 26 chromosomes in a frog's somatic cell.

i. How many chromosomes are there in the daughter cells obtained from meiosis of frog's gamete mother cells?

.....

ii. Name two types of daughter cells formed after the meiosis of frog's gamete mother cells.

.....

06. Underline the correct answer.

i. The first cell was observed by (Robert Hook / Robert Knox).

ii. Traits are passed down from generation to generation by (nucleus / chromosomes).

iii. In the evolutionary process, (mitosis / meiosis) is important for the formation of variants.

iv. An adverse effect of mitosis is, (asexual reproduction / cancer cell multiplication)

v. A phenomenon in which meiosis takes place is, (pollen production / seed production)

07. Fill in the blanks.

( Mitosis, Growth, Power house, Cell, Meiosis, Chloroplasts, Ribosome)

i. .... is an organelle found only in plant cells.

ii. Mitochondrion is also known by the nickname of .....

iii. .... performs protein synthesis.

iv. The building block of life is .....

v. The broken tail of a gecko is regenerated by .....

vi. To maintain a constant chromosome count from generation to generation ..... is important.

vii. The ..... of a cell means its increase in size and mass irreversibly.

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