

PART- I : Fill in the gaps in the sentences according to the definitions. The first two letters are given.

- 1- The blood vessels of the fetus can be seen through theskin. (*≠ thick*)
- 2- The fetus **mo**..... its own temperature from 30 weeks onwards. (*controls, follows*)
- 3-The strength of a steel alloy depends on the **ra**of iron to carbon.(*mathematical relationship of proportion*)
- 4- The cell is the **lo**.....level of structure capable of performing all the activities of life. (*≠highest*)
- 5-The experiment enables the students to **wo**..... the rate of cell mitosis, (*calculate -two words*)
- 6-The **me**..... diameter of most cells is 1-100 μm which can be visualized by light microscope. (*average*)
- 7-The volume of the amniotic fluid is **ro**..... 60 ml. (*about, approximately*)
- 8-Six days after fertilization, the embryo consists of a **cl**..... of 100-300 cells, (*agglomeration, concentrated group*)
- 9- Some organisms consist of a **un**..... organism, others are multicellular aggregates of specialized cells. (*≠ multicellular*)
- 10- There are **ab**..... 5×10^{30} bacteria on Earth.(*approximately*)

PART- II :

A)Write a question about the underlined words.

- **In 1665**, Robert Hooke observed and named the first cells from slice of cork.

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- In 1839, Matthais Schleiden and Theodor Schwann proposed **the cell theory**.

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B) Give a simple definition of “**virus**”:

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C) Complete the following expressions:

To obtain the area of a rectangle.....

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X^{-15} :..... /.....

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GOOD LUCK