

Class – IX
Science Assignment (August)
Answer Key

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Ans1. (a) Sieve tubes

Ans2. (b) Chlorenchyma

Ans 3. (b) Columnar epithelium

Ans4. (b) Sol is a solid-liquid colloid and Gel is liquid solid colloid

Ans5. (a) are metalloids

Ans6. a) Sclerenchyma has thick lignified walls. Hence, intercellular spaces are absent.

b) Meristematic cells have continuously dividing cells. Cells of meristem are not differentiated. It continuously divides and form new cells which increase length and girth of the plant body.

c) due to presence of stone cells or grit cells, known as sclereids

Ans 7. Striated muscles or voluntary muscles show light and dark bands under microscope

b) unstriated muscles or involuntary muscles show no light dark bands, multinucleate. or

c) Cardiac muscles fibres show light light and dark bands, fibres are interconnected with one or two nuclei

Ans8. Plant always loose water from the surface of leaves. This process is known as transpiration. Water reaches leaves by xylem vessels, where evaporation takes place by stomata

Ans 9. 13.04%

Ans 10. Hydrogen and oxygen are considered as elements which cannot split into different substances by applying any kind of energy like heat or electricity whereas water is a composed of constituents like hydrogen and oxygen in a fixed proportion and it can be split up by applying energy.