

# CBSE Class 9 Science Sample Paper Set 9

**SUBJECT: SCIENCE**  
**CLASS : IX**

**MAX. MARKS : 80**  
**DURATION : 3 HRS**

**General Instructions:**

1. The question paper comprises of five sections – A, B, C, D and E. You are to attempt all the sections.
2. All questions are compulsory.
3. Internal choice is given in sections B, C, D and E.
4. Question numbers 1 and 2 in **Section-A** are one mark questions. They are to be answered in one word or in one sentence.
5. Question numbers 3 to 5 in **Section- B** are two marks questions. These are to be answered in about 30 words each.
6. Question numbers 6 to 15 in **Section-C** are three marks questions. These are to be answered in about 50 words each.
7. Question numbers 16 to 21 in **Section-D** are 5 marks questions. These are to be answered in about 70 words each.
8. Question numbers 22 to 27 in **Section- E** are based on practical skills. Each question is a two marks question. These are to be answered in brief.

**SECTION – A**

1. Name the tissue present under the skin and arranged in a pattern of layers.
2. Why are sound waves called mechanical waves?

**SECTION – B**

3. How do forests play an important role in maintaining the water cycle?
4. What is the role of nitrogen fixing bacteria?
5. What factors does the food requirement of dairy animals depend on?

**OR**

What is poultry? How can poultry help in solving the food and nutrition problem?

**SECTION – C**

6. Define biotic factors. Name a few biotic factors which damage the food material during storage.
7. (a) Why does the water kept in an earthen pot become cool in summer?  
(b) Draw a well labelled diagram showing sublimation of camphor.  
(c) Convert: 340 K to degree Celsius.
8. Why copper sulphate solution in water does not show tyndall effect but mixture of water and milk shows.

**OR**

Name the separation technique by which we can obtain coloured components from ink? Give two more application of the technique used.

9. (a) Define polyatomic ion.  
(b) Write the name of the compound  $(\text{NH}_4)_2\text{SO}_4$  and mention the ions present in it.
10. What does DNA molecule contain? Name the functional segment of DNA. In which form is the DNA present in a cell when the cell is not dividing ?

# Sample Papers For Class 9 Science

**AN Whitehead**



## **Sample Papers For Class 9 Science:**

## Whispering the Strategies of Language: An Psychological Quest through **Sample Papers For Class 9 Science**

In a digitally-driven earth where screens reign supreme and immediate interaction drowns out the subtleties of language, the profound secrets and psychological nuances concealed within words often move unheard. Yet, nestled within the pages of **Sample Papers For Class 9 Science** a interesting fictional prize pulsating with organic feelings, lies an extraordinary journey waiting to be undertaken. Penned by a skilled wordsmith, this wonderful opus invites visitors on an introspective journey, softly unraveling the veiled truths and profound influence resonating within ab muscles fabric of every word. Within the psychological depths with this emotional review, we shall embark upon a honest exploration of the book is core styles, dissect its captivating publishing design, and fail to the effective resonance it evokes heavy within the recesses of readers hearts.

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web the rate of diffusion is influenced by both temperature how fast the particles move and size how big they are part 1 brownian motion in this part of the lab you will use a microscope to observe brownian motion in carmine red powder which is a

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web osmosis is a type of passive diffusion it occurs when water h<sub>2</sub>o molecules moves across a membrane from high water concentration to lower water concentration during osmosis the solvent moves but solutes do not diffuse

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surrounds cells this is the external environment of a cell the cell's outer surface of the plasma membrane is in contact with this external environment while the inner surface is in contact with the cytoplasm

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web facilitated diffusion moves substances down their concentration gradient using the cell's energy the spreading of something more widely diffusion equilibrium a state in which opposing forces or influences are balanced osmosis a process in which molecules of a solvent tend to pass through membrane