

KV IIT CHENNAI

HOLIDAY HOME WORK FOR 9'TH STANDARD SCIENCE

BIOLOGY:

Prepare:

- 1) How is a bacterial cell different from an onion peel cell?
- 2) Name the two organelles in a plant cell that contain their own genetic material and ribosomes.
- 3) Draw a plant cell and label the parts.4) Draw a neat labeled diagram of an animal cell.
- 5) Differentiate between rough and smooth endoplasmic reticulum. How is endoplasmic reticulum important for membrane biogenesis .
- 6) Differentiate between plasma membrane and cell wall.
- 7) Cell theory is not applicable to viruses. Why?
- 8) Why are lysosomes known as ``suicide –bags'' of a cell?
- 9) Make a comparison and write ways in which plant cells are different from animal cells.
- 10) Why the cell is called the structural and functional unit of life?

CHEMISTRY:

1)Write the lab activity 1.1, 1.2,1.3,1.4,1.5,1.6,1.7 in class work note book.(Aim, Procedure, Observation, Conclusion)

PHYSICS Revision Question Bank

1. Define the following quantities.
 - a) Velocity (give its unit and formula)
 - b) Speed (give its unit and formula)
 - c) Acceleration (give its unit and formula)
 - d) Uniform velocity and non uniform velocity
 - e) Uniform speed and non uniform speed
 - f) Uniform acceleration and non uniform acceleration
2. Derive the equations of motion using velocity-time graph.
3. Draw the following graphs and take practice with class notes.

Uniform speed (Distance time graph)

Non uniform speed (Distance time graph)

Uniform acceleration (velocity time graph)

Non uniform acceleration (velocity time graph)

Graph (v-t) to show that area under the graph gives the distance covered by the object

4. Write the difference between displacement and distance .

5. Write the difference between speed and velocity.