



CAMBRIAN PUBLIC SCHOOL

KANKE ROAD, RANCHI

REVISION ASSIGNMENT

Subject: Science

Class: VI

A. One-Word Answer Questions:

- 1) What is the smallest unit of matter?
- 2) What is the SI unit of length?
- 3) What type of motion does a swinging pendulum show?
- 4) Name the process by which green plants prepare their food.
- 5) Name the instrument used to measure temperature.

B. Fill in the Blanks:

- 1) Matter occupies _____ and has mass.
- 2) The SI unit of mass is the _____.
- 3) The motion of a car moving on a straight road is called _____ motion.
- 4) The tiny pores present on the surface of leaves are called _____.
- 5) A mixture of sand and water can be separated by the process of _____.

C. Competency-Based Case Studies

Case Study 1 – Matter and Materials

Riya collected an iron spoon, a wooden ruler, a glass tumbler, and a rubber ball. She noticed that these objects are made of different materials and have different properties.

- a) Why are different objects made from different materials?
- b) Name one material that is hard and one that is flexible from the objects mentioned above.

Case Study 2 – Measurements

Aarav wants to measure the length of his classroom. He first tries using his handspan but gets a different result from his friend. His teacher asks him to use a measuring tape.

- a) Why did Aarav and his friend get different measurements using handspans?
- b) Why is a standard unit of measurement preferred?

Case Study 3 – Motion

A school bus travels from the school gate to the playground. A student observes that the wheels rotate while the bus moves forward.

- a) What type of motion does the bus show while moving along a straight path?
- b) What type of motion is shown by the wheels of the bus?

Case Study 4 – The Living and the Non-living

A plant in the school garden grows taller over several weeks. It needs water, air and sunlight to remain healthy. A nearby stone, however, remains unchanged.

- a) Give one characteristic that shows that the plant is living.
- b) Why is the stone considered non-living?

Case Study 5 – The World of Plants

Meena observed a green plant kept near a window. She noticed that its leaves were broad and green. Her teacher explained that leaves are important organs of a plant.

- a) What is the main function of leaves?
- b) Why are most leaves green?

Case Study 6 – Temperature

During a science activity, Rohan took the temperature of hot water using a laboratory thermometer. He noticed that the reading increased when the thermometer was placed in hotter water.

- a) What does a thermometer measure?
- b) Why should the bulb of the thermometer not touch the bottom or sides of the container?
