

Date: _____ Class: 7 Div: _____ Roll No: _____ Sub: Science
 Name: _____ Worksheet: (Half Yearly- Ch : 2,5,8,9,10,12)

Revision W.S

Q1. Choose the correct option and answer the following questions:

- The colour of phenolphthalein in acidic solution is:
 (a) White (b) Pink (c) Orange (d) Colourless
- Very fine finger-like structure present in small intestine called _____ which helps in the absorption of :
 (a) Villi & nutrients (b) Cilia & water (c) Villi & water (d) Filament & nutrients
- When you look outside from a moving train, the trees appear to move backward. This is _____
 (a) Backward motion (b) Apparent motion (c) Actual motion (d) Forward motion
- Ascent of sap is an _____ movement of sap containing water and minerals through the _____.
 (a) Upward, xylem (b) Upward, phloem (c) Downward, xylem (d) Downward, phloem
- The distance travelled by the vehicles is recorded by
 (a) Monometer (b) Odometer (c) Speedometer (d) Motometer
- A motion in a straight line in a fixed direction represents a _____
 (a) Circular Motion (b) Uniform Motion (c) Non-Uniform Motion (d) Periodic motion
- _____ acid is present in Bee sting.
 (a) Formic (b) Lactic (c) Citric (d) Maleic
- A simple pendulum executes a
 (a) Periodic motion (b) Oscillatory motion (c) Both (a) and (b) (d) None of these

In the following questions two statements are given: one labelled Assertion (A) & the other labelled Reason (R).

Select the correct answer to these questions from the choices (a), (b), (c) and (d) as given below:

(a) Both A and R are true, and R is the correct explanation of the (A).

(b) Both A and R are true but R is not the correct explanation of the (A).

(c) A is true but R is false.

(d) A is false but R is true.

- ix. Assertion: Pure rain is slightly acidic.

Reason : Carbon dioxide in air combines with water vapour to form a weak acid.

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- x. Assertion: The sun appears to rise in the east every day.

Reason : Earth rotates from west to east.

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Q2. Fill in the blanks:

- Salts that absorb moisture from nature is called _____.
- The colour of phenolphthalein is pink in _____ solution.
- Litmus is a _____ colour dye.
- _____ are chemically active substances present in digestive juices.
- Pulpy mass of food formed by chewing is called _____.
- The _____ the speed, the steeper is the distance-time graph.
- The idea of _____ distinguishes between slow and fast moving objects.
- _____ of a bird's stomach mechanically break down the food.
- During _____ eclipse the moon is completely blocked by the earth's shadow.
- SI unit of speed is _____.
- In the Northern Hemisphere, the summer solstice occurs around _____.
- Motion of objects can be presented in a pictorial form by their _____ graph.

Q3. Answer the following questions in One word:

- i. The colour of methyl orange in basic solution.
- ii. The process of transportation of food through phloem in the plants.
- iii. The largest chamber of ruminant's stomach used for storing food.
- iv. Holding breath for a long time decreases the CO₂ level in the body.
- v. Eclipse during which moon is between the sun and the earth.
- vi. Bases which are soluble in water.
- vii. The product of the reaction between an acid and a base.
- viii. Reddish brown substance deposited on Iron objects.
- ix. Time taken to complete one oscillation.
- x. Change in the position of a body with time.
- xi. A meter fitted in vehicle to measure the speed.

Q4. State whether the following statements are 'True' or 'False':

- i. The summer solstice is the longest day of the year.
- ii. All bases are alkalis.
- iii. It is advisable that do not look at the sun during solar eclipse without protection.
- iv. Saliva acts on lipids and proteins.
- v. Larynx is the uppermost part of trachea that produce sound.
- vi. Breaking of egg is an irreversible change.
- vii. The earth's axis is tilted at an angle of 23.5°.
- viii. Lichens are composite organisms.

Q5. Answer the following questions in class notebook:

- i. Calculate time period of a pendulum if it completes 60 oscillations in 10 second.
- ii. A bus covers 250 m in 15 seconds & then slows down, covering the next 200 m in 30 seconds.
What is its average speed for the total distance?
- iii. Complete the following table by filling the colour of the indicator in the given solutions.

Substance	Red Litmus	Blue Litmus	Phenolphthalein
Hydrochloric acid(HCl)			
Potassium Hydroxide(KOH)			

- iv. A girl takes 3 hr to reach her school on cycle. Her school is 9 km away from her house. Calculate the speed with which she cycles. Also convert it into m/s.
- v. Draw well labelled diagrams of a solar and a lunar eclipse.
- vi. Write examples of an apparent motion.