

ST. THOMAS SCHOOL, SAHIBABAD
WORKSHEET PERIODIC TEST – III (2025-2026)
SCIENCE (086)
CLASS – IX

TIME: 1 HOUR

MM: 20

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| 1. | Name the contractile protein present in muscles. | 1 |
| 2. | Why does a piece of ice floating in a glass of water not change the water level when it melts? | 1 |
| 3. | Why does a body feel lighter when submerged in a fluid? | 1 |
| 4. | Find the molecular mass of H ₂ O. | 1 |
| 5. | State the law of conservation of mass and the law of constant proportions. | 1 |
| 6. | If your body were a machine, which parts would act as ropes and rubber bands to help you move and stay stable? Explain their roles. | 2 |
| 7. | What is formula unit mass? How is it different from molecular mass? | 2 |
| 8. | Write the energy transformations that occur in the following: | 2 |
| (a) | Gas stove | |
| (b) | Steam engine | |
| 9. | Write down the chemical formula for the following compounds: | 3 |
| (a) | Aluminium carbonate | |
| (b) | Calcium hydroxide | |
| (c) | Zinc carbonate | |
| 10. | Draw neat and labelled diagrams of any four types of epithelial tissues. | 3 |
| 11. | A car of mass 500kg accelerates uniformly from rest to a velocity of 10 m/s in 10 seconds. | 3 |
| (a) | What is the acceleration. | |
| (b) | What is the gain in its kinetic energy? | |