

# WBBSE Madhyamik Class 10 Physical Science Question Paper (Memory Based)

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1. Significance of the Stratosphere and the Greenhouse Effect (Global Warming).

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2. Define the following terms:

- Avogadro's law
  - Absolute zero
  - Molar volume
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3. Define the following terms:

- Refractive index
  - Snell's Law
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4. Explain dispersion of light and scattering of light (why the sky appears blue).

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5. Define Ohm's Law, resistivity, and resistance in series and parallel connections.

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6. Explain the heating effect of electric current (Joule's law of heating).

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7. Modern Periodic Table: Explain the trends in atomic size, ionization energy, and electronegativity.

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8. Explain the IUPAC nomenclature of simple hydrocarbons and functional groups.

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9. Distinguish between the following using suitable chemical reactions:

- Methane and Ethylene
  - Alcohol and Carboxylic acid
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10. Solve numerical problems on molar mass and percentage composition.

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