

**KERALA PUBLIC SCHOOLS**  
**ACADEMIC YEAR 2020-21**  
**HOME ASSIGNMENT (13-07-2020 to 18-07-2020))**



CLASS	SUBJECT	TOPIC / CHAPTER	MODULE / ASSIGNMENT	REFERENCE LINKS
VIII	CHEMISTRY	Ch – 5 : Language of Chemistry	<ol style="list-style-type: none"><li>1. Write the names and symbols of the first twenty elements that you have studied in class VI &amp; VII.</li><li>2. Write the molecular formula for each of the following compounds:<ol style="list-style-type: none"><li>1. Sulphur trioxide</li><li>2. Iron (II) sulphide</li><li>3. Ammonia</li></ol>Find the number and names of elements present in them and calculate their molecular masses.</li><li>3. Define:<ol style="list-style-type: none"><li>(a) Radical</li><li>(b) Valency</li><li>(c) Molecular formula</li></ol></li><li>4. Give the symbols and valencies of following radicals:<ol style="list-style-type: none"><li>(a) Hydroxide</li><li>(b) Chloride</li><li>(c) Carbonate</li><li>(d) Ammonium</li><li>(e) Nitrate</li></ol></li><li>5. Write the molecular formula for the oxide and sulphide of the following elements.<ol style="list-style-type: none"><li>(a) Sodium</li><li>(b) Calcium</li><li>(c) Hydrogen</li></ol></li><li>6. Write the molecular formulae for the following compounds and name the elements present.<ol style="list-style-type: none"><li>(a) Baking soda</li><li>(b) Common salt</li><li>(c) Sulphuric acid</li><li>(d) Nitric acid</li></ol></li></ol>	

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|  |  |  | <p>7. The valency of aluminium is 3. Write the valency of other radicals present in the following compounds.</p> <ul style="list-style-type: none"><li>(a) Aluminium chloride</li><li>(b) Aluminium nitride</li><li>(c) Aluminium oxide</li><li>(d) Aluminium sulphate</li></ul> <p>8. What is variable valency? Give two examples of elements showing variable valency.</p> <p>9. Give answer?</p> <ul style="list-style-type: none"><li>(a) What is the chemical equation?</li><li>(b) Why is it necessary to balance a chemical equation?</li><li>(c) What are the limitations of a chemical equation?</li></ul> <p>10. Why it is necessary to balance chemical equation?</p> <p>11. What is variable valency? Give two example of it?</p> <p>12. What are the limitation of chemical equation?</p> |  |
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Rakshmi

**DIRECTOR ACADEMICS**