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| Science 9 | Unit B: Chemistry |
| Section 4 Start: Review to Now | 84 Mins |

Matter

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| 3 States   * Solid * Liquid * Gas   Physical Properties  What you can see  Chemical Properties  How it reacts with other things  Classifying  *Chart* | 5 Total States  B.E. Condensates (Low energy solids)  Plasmas (High energy gases)  Physical Change  Change without changing chemicals   * melting or freezing   Chemical Change   * New Colour * New Odour * Formation of a solid or gas * Change in Temperature |

WHMIS/GHS

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| WHMIS Symbols | GHS Symbols |

Periodic Table

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| --- | --- |
| Groups (Families)  Element Symbols  Subatomic Particles | Periods |

Compounds

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| --- | --- |
| Ionic  High Boiling Point  Metals and Non-metals  Conducts electricity  Give or take electrons  Name Metals First, Non-Metals takes –ide suffix  Transition Metals  Ionic Elements that have more than one charge, Need to named by Roman Numerals  (FeCl3 and FeCl2) | Molecular (Covalent)  Low boiling point  Only Non-metals  Insulators  Share Electrons  Use Prefixes for amount of atoms, second one takes –ide suffix  Diatomic Elements  Molecular Compounds with only ONE element in it  F2, O2, N2, Cl2, Br2 |

IUPAC

International Union of Pure and Applied Chemistry