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

Matter

|  |  |
| --- | --- |
| 3 States* Solid
* Liquid
* Gas

Physical PropertiesWhat you can seeChemical PropertiesHow it reacts with other thingsClassifying*Chart* | 5 Total States B.E. Condensates (Low energy solids)Plasmas (High energy gases)Physical ChangeChange without changing chemicals* melting or freezing

Chemical Change* New Colour
* New Odour
* Formation of a solid or gas
* Change in Temperature
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WHMIS/GHS

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| WHMIS Symbols | GHS Symbols |

Periodic Table

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| --- | --- |
| Groups (Families)Element SymbolsSubatomic Particles | Periods |

Compounds

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| --- | --- |
| IonicHigh Boiling PointMetals and Non-metalsConducts electricityGive or take electronsName Metals First, Non-Metals takes –ide suffixTransition MetalsIonic Elements that have more than one charge, Need to named by Roman Numerals(FeCl3 and FeCl2) | Molecular (Covalent)Low boiling pointOnly Non-metalsInsulatorsShare ElectronsUse Prefixes for amount of atoms, second one takes –ide suffixDiatomic ElementsMolecular Compounds with only ONE element in itF2, O2, N2, Cl2, Br2 |

IUPAC

International Union of Pure and Applied Chemistry