Introduction to Chemistry I

1. Hazard Warning Labels
2. The Classification of Matter
3. The Chemical Change and Physical Change
4. The Structure of an Atom, and definition of Atom
5. The Classification of Elements

[Hazard Warning Labels]

|  |  |
| --- | --- |
| Corrosive |  |
| Toxic |  |
| Explosive |  |
| Flammable |  |
| Oxidizing |  |
| Harmful |  |
| Irritant |  |
| Carcinogenic |  |

[Classification of Matter]

|  |  |
| --- | --- |
| Mixture |  |
| Element |  |
| Compound |  |

[The Chemical Change and The Physical Change]

* The Chemical Change: The New substance(s) is/are formed after the change.
* The Physical Change: There is **NO** New Substances Formed

*Electricity? Direct Heating? Dissolving?*

|  |
| --- |
| Some Example of Chemical Change: |
| Some Example of Physical Change: |

[The Structure of an Atom]

图示

描述已自动生成

|  |
| --- |
| Important Note: |

[Classification of elements into Metal, Non-metal, Semi-Metal]

|  |  |  |  |
| --- | --- | --- | --- |
|  | Metals | Non-Metals | Semi-Metals |
| State at room temperature and pressure |  |  |  |
| Melting/Boiling Point |  |  |  |
| Ductile |  |  |  |
| Hardness and Strength |  |  |  |
| Thermal Conductivity |  |  |  |
| Electrical Conductivity |  |  |  |

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| --- |
| Important Note: |

Note For Ex.:

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