|  |  |  |  |
| --- | --- | --- | --- |
| Group Members: |  | Project Title: |  |
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Chemistry Unit Project – Research

## Introduction

Describe the Periodic Table:

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How was the Periodic Table created?

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What is the Periodic Table used for?

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## Group Description

Describe the characteristics and trends of your Periodic Table Group.

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## Group Element One: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Physical Properties

State at room temperature (solid, liquid or gas): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Melting Point (°C): |  |  | Boiling Point (°C): |  |

Conduction of heat: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conduction of electricity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Chemical Properties

Reactivity (with chemical examples such as iron reacting with oxygen to form iron oxide/rust):

|  |
| --- |
|  |

### History & Uses

History of the elements discovery:

|  |
| --- |
|  |

Where it’s found:

|  |
| --- |
|  |

How we get it:

|  |
| --- |
|  |

Common uses (1 historical and 2 modern with examples):

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| --- |
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### Diagrams

**3D Model (Ball & Stick)**

**Bohr Model**

**Atomic Information**



Symbol: \_\_\_\_\_

Protons: \_\_\_\_\_

Neutrons: \_\_\_\_\_

Electrons: \_\_\_\_\_

Mass: \_\_\_\_\_

## Group Element Two: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Physical Properties

State at room temperature (solid, liquid or gas): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Melting Point (°C): |  |  | Boiling Point (°C): |  |

Conduction of heat: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conduction of electricity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Chemical Properties

Reactivity (with chemical examples such as iron reacting with oxygen to form iron oxide/rust):

|  |
| --- |
|  |

### History & Uses

History of the elements discovery:

|  |
| --- |
|  |

Where it’s found:

|  |
| --- |
|  |

How we get it:

|  |
| --- |
|  |

Common uses (1 historical and 2 modern with examples):

|  |
| --- |
|  |
|  |

### Diagrams

**3D Model (Ball & Stick)**

**Bohr Model**

**Atomic Information**



Symbol: \_\_\_\_\_

Protons: \_\_\_\_\_

Neutrons: \_\_\_\_\_

Electrons: \_\_\_\_\_

Mass: \_\_\_\_\_

## Group Element Three: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Physical Properties

State at room temperature (solid, liquid or gas): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Melting Point (°C): |  |  | Boiling Point (°C): |  |

Conduction of heat: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conduction of electricity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Chemical Properties

Reactivity (with chemical examples such as iron reacting with oxygen to form iron oxide/rust):

|  |
| --- |
|  |

### History & Uses

History of the elements discovery:

|  |
| --- |
|  |

Where it’s found:

|  |
| --- |
|  |

How we get it:

|  |
| --- |
|  |

Common uses (1 historical and 2 modern with examples):

|  |
| --- |
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### Diagrams

**3D Model (Ball & Stick)**

**Bohr Model**

**Atomic Information**



Symbol: \_\_\_\_\_

Protons: \_\_\_\_\_

Neutrons: \_\_\_\_\_

Electrons: \_\_\_\_\_

Mass: \_\_\_\_\_

## Group Element Four: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Physical Properties

State at room temperature (solid, liquid or gas): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Melting Point (°C): |  |  | Boiling Point (°C): |  |

Conduction of heat: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conduction of electricity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Chemical Properties

Reactivity (with chemical examples such as iron reacting with oxygen to form iron oxide/rust):

|  |
| --- |
|  |

### History & Uses

History of the elements discovery:

|  |
| --- |
|  |

Where it’s found:

|  |
| --- |
|  |

How we get it:

|  |
| --- |
|  |

Common uses (1 historical and 2 modern with examples):

|  |
| --- |
|  |
|  |

### Diagrams

**3D Model (Ball & Stick)**

**Bohr Model**

**Atomic Information**



Symbol: \_\_\_\_\_

Protons: \_\_\_\_\_

Neutrons: \_\_\_\_\_

Electrons: \_\_\_\_\_

Mass: \_\_\_\_\_

## Group Element Five: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Physical Properties

State at room temperature (solid, liquid or gas): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Melting Point (°C): |  |  | Boiling Point (°C): |  |

Conduction of heat: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Conduction of electricity: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Chemical Properties

Reactivity (with chemical examples such as iron reacting with oxygen to form iron oxide/rust):

|  |
| --- |
|  |

### History & Uses

History of the elements discovery:

|  |
| --- |
|  |

Where it’s found:

|  |
| --- |
|  |

How we get it:

|  |
| --- |
|  |

Common uses (1 historical and 2 modern with examples):

|  |
| --- |
|  |
|  |

### Diagrams

**3D Model (Ball & Stick)**

**Bohr Model**

**Atomic Information**



Symbol: \_\_\_\_\_

Protons: \_\_\_\_\_

Neutrons: \_\_\_\_\_

Electrons: \_\_\_\_\_

Mass: \_\_\_\_\_