**Resources**

**Ores:**

**Regolith** (rocks, dust, and sand)

* 40%
* Used for constructing buildings, roads, and pathways
* Gathered by mining or through excavation equipment

**Water** (ice)

* 15%
* Essential for sustaining life, agriculture, and producing fuel
* Gathered by drilling or using ice extractors to melt the ice and collect the water

**Iron ore**

* 10%
* Used for crafting machinery, tools, and structural components
* Gathered through mining and smelting processes

**Magnesium ore**

* 8%
* Used in the production of lightweight alloys and as a reactive agent
* Gathered through mining and extraction methods

**Aluminum ore**

* 7%
* Used for manufacturing lightweight structures, equipment, and electrical components
* Gathered through mining and extraction methods

**Silica ore**

* 6%
* Used in the production of glass, insulation, and high-temperature materials
* Gathered through mining and refining processes

**Platinum ore**

* 2%
* Used for advanced technologies, catalysts, and electronics
* Gathered through mining and refining processes

**Copper ore**

* 2%
* Used for electrical wiring, circuitry, and infrastructure
* Gathered through mining and smelting processes

**Nickel ore**

* 2%
* Used in the production of stainless steel, batteries, and catalysts
* Gathered through mining and refining processes

**Cobalt ore**

* 1%
* Used in the production of batteries, superalloys, and magnetic materials
* Gathered through mining and refining processes

**Zinc ore**

* 1%
* Used in galvanization, alloys, and as a corrosion-resistant coating
* Gathered through mining and smelting processes

**Gold ore**

* 0.5%
* Used for electronics, and as a valuable trade resource
* Gathered through mining and refining processes

**Silver ore**

* 0.5%
* Used for electrical contacts, and mirrors
* Gathered through mining and refining processes

**Lithium ore**

* 0.3%
* Used in batteries, energy storage systems, and electronics
* Gathered through mining and refining processes

**Neodymium ore**

* 0.2%
* Used in magnets, wind turbines, and electric motors
* Gathered through mining and refining processes

**Dysprosium ore**

* 0.2%
* Used in high-strength magnets, lasers, and nuclear reactors.
* Gathered through mining and refining processes

**Gases:**

**Carbon dioxide**

* 90%
* Used for producing oxygen, fuel, and as a coolant in certain systems
* Gathered by extracting and processing carbon dioxide from the atmosphere or trapped sources

**Oxygen**

* 5%
* Essential for breathing and life support systems
* Gathered by extracting and processing water ice or carbon dioxide

**Methane**

* 2%
* Used as a potential fuel source and for chemical reactions
* Gathered by capturing and refining methane from the atmosphere

**Nitrogen**

* 1%
* Used for pressurizing habitats, as a coolant, and in various industrial applications
* Gathered by extracting and processing nitrogen from ice deposits or from trace amounts in the atmosphere

**Argon**

* 2%
* Used as an inert gas for pressurizing habitats, shielding, and industrial processes
* Gathered by extracting and purifying argon from the Martian atmosphere

**Other Materials:**

**Martian Dust**

* 10%
* Used as an additive in construction materials to improve insulation and structural integrity
* Gathered through sweeping or collecting dust particles during surface operations

**Basalt**

* 10%
* Used as a building material for constructing structures and roads
* Gathered through mining and excavation of basaltic rock formations

**Sulfur**

* 10%
* Used in the production of fertilizers, chemical reactions, and as a preservative
* Gathered by extracting and refining sulfur from certain mineral deposits

**Glass**

* Used for windows, protective structures, and scientific equipment
* Produced by melting and shaping silica using high-temperature furnaces

**Concrete**

* Used for constructing foundations, walls, and other durable structures
* Produced by mixing regolith, water, and binders in appropriate ratios

**Polymer Materials**

* Used for manufacturing various components, insulation, and flexible structures
* Produced by extracting and processing organic compounds from carbon dioxide or other sources