**Materials**

A **Material** is anything made of matter, constituted of one or more substances. Wood, cement, hydrogen, air and water are all examples of materials. Sometimes the term "material" is used more narrowly to refer to substances or components with certain physical properties that are used as inputs to production or manufacturing.

The two main groups that Materials can be divided into are :

**1. Natural Material**

A natural material is any product or physical matter that comes from plants, animals, or the ground. Minerals and the metals that can be extracted from them (without further modification) are also considered to belong into this

**2. Synthetic Materials**

Synthetic Materials created by scientific processes, usually as substitutes for scarce or expensive natural materials. For example, nylon was developed as a substitute for silk (spun by silkworms), and synthetic rubber for natural latex (from trees).

***Examples of Natural materials***
Wood , Stone, Sand, Oil

***Examples of Synthetic materials***
Plastic, Ceramic, Rubber, Glass, Metal

**Home Work & Activates**

( Please email all home to schsindustrialtech@gmail.com stating your Grade, Your Name and your Industrial Tech. Teacher )

1. Uses of Materials (Give at least five (5) uses of each of the following materials listed below in each table

|  |  |
| --- | --- |
| **Type of Synthetic Materials** | **Uses** |
| Plastic |  |
| Ceramic |  |
| Rubber |  |
| Glass |  |
| Metal  |  |

|  |  |
| --- | --- |
| **Type of Natural Materials** | **Uses** |
| Wood |  |
| Stone |  |
| Sand |  |
| Oil |  |

2. Write a summary of you have learn about materials.