

CHRISTIAN AJUBO

15/11/2023/2011

CVE 307 Assignment

Civil Engineering

(1) Material Name Uses Properties

Steel

To build high rise buildings

(2) Iron

To build bridges

To build residential homes

(2) Bitumen

Construction of roads

Construction of dams

Adhesion in nature

Resistant to water

(3) Glass

Industrial buildings

Glass block

High workability

Transparency

(4) Concrete

Scalping blocks

Foundations

Bridges

Dams

High compressive strength

Workability

Impact

(5) Aluminium

Roofs

Windows

Doors

* Corrosion resistant

* High strength

light weight

* Durability

* Design flexibility

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Civil Engineering

(1) Material Name: steel
Uses: To build high rise buildings
(2) ' : To build bridges
: To build residential homes
Properties: Paperies

(B) Brickwork : Construction of walls
: Construction of dams
Properties: Abundant in Nature
Resistant to water

(3) Glass : Internal partitions
Clear block
Properties: High workability
Transparency

(4) Concrete : Building blocks
: Foundation
: Bridges
: Dams
Properties: High Compressive strength
Workability
Impact

(5) Aluminium : Roofs
: Windows
: Doors
Properties: * Corrosion resistant
* High strength
* Light weight
* Durability
* Design flexibility

Material Name

Material Name	Uses	Properties
(6) Composite Material	Boats, Aircraft, Automobiles	* High strength * High stiffness * Performance * Reliability * Fire resistant * Low conductivity
(7) Wood	Construction, Furniture, Paper	* Renewable * Good insulation * High strength
(8) Brass	Decorative, Musical Instruments, Machinery	* Malleable * Corrosion resistant * High conductivity
(9) Plastic	Pipes, Panels, Sheets, Foams, etc.	* High durability * Weather resistant * Recyclable
(10) Iron	Reinforced Bars, Foundations, Roofs	* High strength * Malleable