# Materials and Facts (Cut out and match)

|  |  |
| --- | --- |
| Glass | Made from processed wood  Is a form of sturdy paper  Not waterproof  Low cost  Has lots of uses |
| Wood | Very commonly used  Very light  Used for a variety of purposes  Man made from oil  Recycling this material is very important |
| Cardboard | Made from processed trees and wood, with chemicals  Not waterproof  Man made  Cannot be ‘broken’, but can be easily ripped  Cheap and easily accessible |
| Metal | Can break or smash  Made from sand, soda ash, and limestone  A wide range of uses  Easy to clean and waterproof  Can be used for aesthetics and food containers |
| Plastic | Woven  Made from both natural and man made materials  Very flexible  Cannot be ‘broken’, but can be ripped and torn  Commonly used for clothing |
| Fabric | A naturally occurring material  Sourced from trees  Strong, and does not break easily  Can be quite heavy  Generally waterproof |
| Paper | Comes in a variety of types  Sometimes naturally occurring, found in rocks  Many are strong, shiny, and hard  Does not break easily  Commonly used for large machinery |

Materials and Their Uses (Cut out and match)

|  |  |
| --- | --- |
| **Glass** | Macintosh HD:private:var:folders:x5:3dz8pjss1v1ffhq5_zp28d5c0000gn:T:TemporaryItems:images.jpg |
| **Wood** | Macintosh HD:private:var:folders:x5:3dz8pjss1v1ffhq5_zp28d5c0000gn:T:TemporaryItems:search.jpg |
| **Cardboard** | Macintosh HD:Applications:Microsoft Office 2011:Office:Media:Clipart: Household.localized:AA044535.png |
| **Metal** | Macintosh HD:private:var:folders:x5:3dz8pjss1v1ffhq5_zp28d5c0000gn:T:TemporaryItems:canvas-tote-bags.jpg |
| **Plastic** | Macintosh HD:private:var:folders:x5:3dz8pjss1v1ffhq5_zp28d5c0000gn:T:TemporaryItems:prod_img-417272.jpg.thumb.319.319.png |
| **Fabric** | Macintosh HD:private:var:folders:x5:3dz8pjss1v1ffhq5_zp28d5c0000gn:T:TemporaryItems:plastic-bottles.jpg |
| **Paper** | Macintosh HD:private:var:folders:x5:3dz8pjss1v1ffhq5_zp28d5c0000gn:T:TemporaryItems:imgres.jpg |

# Elements of an Object

Write in your book

**Find:**

Material/s

Systems

Components

Tools

Equipment

**Discuss**

What does this do?

How does it work?

Do you think it works well?

Is this sustainable?

Is this made from sustainable materials?

How could this be made better?

# Evaluation Worksheet

Complete in your book

**Evaluation: Item 1**

|  |  |  |
| --- | --- | --- |
|  | Yes | No |
| **Functional Qualities**  Does it achieve the purpose? Does it make sense? Is it easy for people to use? Will people want to use it? Is it needed? |  |  |
| **Aesthetic Qualities**  Is it neat? When people see it, will they be interested? Will people want to buy it? Does the design fit with the purpose? Are the colours suitable? |  |  |
| **Sustainability**  Is it made from sustainable products? Can it be used more than once? Is it sturdy and strong? Is it recyclable? |  |  |
| **Waste**  Does the production of this resource create a large amount of waste? Will this resource create waste? Will this resource become waste when it cannot be used anymore? |  |  |

|  |  |  |
| --- | --- | --- |
|  | Yes | No |
| **Functional Qualities**  Does it achieve the purpose? Does it make sense? Is it easy for people to use? Will people want to use it? Is it needed? |  |  |
| **Aesthetic Qualities**  Is it neat? When people see it, will they be interested? Will people want to buy it? Does the design fit with the purpose? Are the colours suitable? |  |  |
| **Sustainability**  Is it made from sustainable products? Can it be used more than once? Is it sturdy and strong? Is it recyclable? |  |  |
| **Waste**  Does the production of this resource create a large amount of waste? Will this resource create waste? Will this resource become waste when it cannot be used anymore? |  |  |

**Evaluation: Item 2**