**Part 1: Material Hunt**

**What materials can you find around the classroom in 10 minutes?**

|  |  |  |  |
| --- | --- | --- | --- |
| Plastic | Glass | Wood  | Metal |
|  |  |  |  |

**Part 2: Materials and Their Properties**

1. **Go to:**

[**http://www.bbc.co.uk/bitesize/ks2/science/materials/material\_properties/read/2/**](http://www.bbc.co.uk/bitesize/ks2/science/materials/material_properties/read/2/)

1. **Complete the activity and fill in the chart. Place a checkmark (**✔**) in the correct column to describe the materials properties (**✔**)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Material | hard | soft | Rigid | Flexible | smooth | rough | porous | waterproof | opaque | transparent |
| Wood |  |  |  |  |  |  |  |  |  |  |
| Glass |  |  |  |  |  |  |  |  |  |  |
| Plastic |  |  |  |  |  |  |  |  |  |  |
| Metal  |  |  |  |  |  |  |  |  |  |  |
| Wool (Fabric) |  |  |  |  |  |  |  |  |  |  |

**Part 3: Raw Materials and the Final Product**

|  |  |  |  |
| --- | --- | --- | --- |
| **Object** | **Material** | **Raw Material****(NATURAL)** | **Origin (Animal, plant, mineral, wood)** |
| **Paper** |  |  |  |
| **T-shirt** |  |  |  |
| **Glass Cup** |  |  |  |

**Part 4: Material Vocabulary**

Match the key word with its meaning. Use numbers or colors to complete your matching.

|  |  |
| --- | --- |
| **Absorbent** | A light fabric made from a plant that grows in warm countries |
| **Ceramic** | The feel of a material |
| **Concrete** | A hard transparent material made from sand that is used for window panes |
| **Cotton** | A material made of clay or mud baked in an over or kiln |
| **Elastic** | A material made from woven threads and used for clothes, furniture covers, towels and curtains |
| **Fabric** | A strong shiny material that comes from rocks in the ground |
| **Flexible** | Able to soak up water |
| **Glass** | Anything that can be used to make different objects |
| **Material** | Reflects light well and appears bright |
| **Metal** | A mixture of cement, gravel and sand that sets hard and is used to make bridges, buildings and paths |
| **Plastic** | Can be pulled out longer or wider without breaking |
| **Shiny** | Can bend easily without breaking |
| **Stretchy** | A strong, light material that is made in factories with chemicals |
| **Texture** | Regains its original shape after being stretched  |

**Part 5: Raw Materials and Products**

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