**Science and Design & Technology KS3**

|  |  |
| --- | --- |
| Waterproof | Not waterproof |
| rubber  plastic  [http://www.mushroomguru.co.za/uploads/5/5/2/1/5521125/2925504_orig.jpg?103](http://www.google.co.uk/url?sa=i&rct=j&q=tin+foil&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.mushroomguru.co.za/advanced-fungi-culturing-course.html&ei=RHv9VLmnLNDvaIqOgMAN&bvm=bv.87611401,d.d24&psig=AFQjCNHZ9GZPvxyy3VXyHe2KGkoLPWmtTg&ust=1425984688093363)  tin foil  [http://www.crawleyplasteringsupplies.co.uk/product_images/uploaded_images/metal-stud-systems.jpg](http://www.google.co.uk/url?sa=i&rct=j&q=metal&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.crawleyplasteringsupplies.co.uk/pages/Metal-Stud-Systems.html&ei=v3z9VJ-JFoT3Uoa_g8AC&bvm=bv.87611401,d.d24&psig=AFQjCNEbXJVTJxrK4vdlK2bnWy-sxGmeIw&ust=1425984835341305)glass  metal | paper  [http://www.yourweightlossaid.com/wp-content/uploads/2013/11/Cotton-Wool-Diet.jpg](http://www.google.co.uk/url?sa=i&rct=j&q=cotton+wool&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.yourweightlossaid.com/dangerous-cotton-wool-diet/&ei=hnv9VLGsCJfxaP2jgugH&bvm=bv.87611401,d.d24&psig=AFQjCNEyJNBUywdm9upWzONXpC_8u3x0_g&ust=1425984754125036)  cotton wool  wood  [http://i.telegraph.co.uk/multimedia/archive/02049/tissue_2049564i.jpg](http://www.google.co.uk/url?sa=i&rct=j&q=tissue&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.telegraph.co.uk/travel/destinations/europe/uk/london/8876370/Miraculous-mundane-objects-from-Tetra-Pak-to-bubble-wrap.html?image%3D9&ei=Cn39VPv4J8rmatnAgsgK&bvm=bv.87611401,d.d2s&psig=AFQjCNGq0P6WFFQSv96bplW0nhRdVeCuQw&ust=1425985129331826)  tissue |

Substitution table

|  |  |  |
| --- | --- | --- |
| Rubber  Plastic  Tin foil  Glass  Paper  Cotton wool  Metal  Wood  Tissue | is  is not | waterproof.  waterproof. |

Paper is not waterproof.

|  |  |
| --- | --- |
| Hard | Soft |
| wood  [http://www.ourbreathingplanet.com/wp-content/uploads/2010/09/Plastic-recycling.jpg](http://www.google.co.uk/url?sa=i&rct=j&q=plastic&source=images&cd=&cad=rja&uact=8&ved=0CAcQjRw&url=http://www.ourbreathingplanet.com/plastic-bottles-recycling-or-landfill/&ei=Y379VIX5AoPtasTWgJAJ&bvm=bv.87611401,d.d2s&psig=AFQjCNEY8r5p6mA5a-2pp_dvZN6aqLDgmg&ust=1425985439826149)  metal  plastic | wool  Velvet Fabric - yellow and blue kitchen ideasfabric  velvet |

Substitution table

|  |  |  |
| --- | --- | --- |
| Wood  Metal  Plastic  Wool  Fabric  Velvet | is | hard.  soft. |

Wood is hard.