

# Home Learning – Week 3 Monday – Science **ANSWERS**

Task - Learn about different types of materials and complete the following activities.

Challenge 1 - How to identify materials

Challenge 2 - Read this information about different materials.

List 4 different items that are made out of each material. An *example* of each has already been done for you.

<b>Metal</b>	<b>Plastic</b>	<b>Glass</b>	<b>Wood</b>	<b>Fabrics</b>
<i>Saucepan</i>	<i>Pencil case</i>	<i>Window</i>	<i>Dining table</i>	<i>Blanket</i>
Cutlery	Bags	Glasses	Ladders	Clothes
Cars	Toys	Jars	Serving spoons	Cushions
Coins	Wallets	Glass statue/ornament	Storage boxes	Towel
Screws	Bottles	Coasters	Chair	Curtains
Pins	Dummies			

\*Accept other sensible answers

Challenge 3 - Sorting materials

<https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4>

Scroll to the bottom of this webpage and complete the interactive activity.

Challenge 4 - Properties of materials

Watch this video to learn about different properties of materials. Whilst watching the video, write down some notes on the properties that are mentioned (eg. rough, transparent etc.)

<https://www.youtube.com/watch?v=tAEQDu7juEg>

Notes:

- Glass is a transparent material
- Transparency is a property of glass
- Some materials share properties
- Water and kitchen film are transparent materials
- Glass is a smooth material with a hard texture
- Wool is soft and flexible; sandpaper is also flexible but has a rough texture
- Steel is strong, hard and rigid
- Rubber is soft and bendy
- Umbrellas are made out of a waterproof material called nylon
- Towels are made from porous (absorb water) materials
-

### Challenge 5 - Matching activity

See the different properties and their definitions below. Copy out each word and match it with its correct definition. The first one has been done for you.

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

### Challenge 6 - Play this quiz about materials and their properties

<https://www.educationquizzes.com/ks2/science/properties-of-materials/>

Answers for the quiz will appear after each question has been completed.