

Natural science Materials

1. Write down the opposites of this properties of materials.

soft resistant rigid heavy non-elastic smooth opaque absorbent

elastic / _____ transparent / _____ light / _____

rough / _____ hard / _____ waterproof / _____

flexible / _____ fragile / _____

When a material is easy to break, it is _____.

When a material is resistant to water, it is _____.

When you can see through a material, it is _____.

When a material is easy to bend, it is _____.

When a material has a lot of mass, it is _____.

When you can't see through a material, it is _____.

When a material is easy to stretch and it gets longer, it is _____.

2. Changes of matter.

Everything around us that has mass and volume is _____.

Matter has 3 different states: _____, _____ and _____.

A _____ change is when matter doesn't change, it only changes state or shape.

A _____ change is when matter changes. The properties of the material change.

	Physical ✓	Chemical ✗	Reversible ←→	Irreversible →
A rotten apple 				
A broken glass 				
A melting ice-cream 				

A boiling water 				
A rusty bicycle 				
Toasted bread 				

3. Mixtures..

A mixture where you cannot see or separate the ingredients, it is a _____ mixture.

A mixture where you can see or separate the ingredients, it is a _____ mixture.

Classify these mixtures into homogeneous or heterogeneous.

salad



homogeneous / heterogeneous mixture

cake



homogeneous / heterogeneous mixture

mayonnaise



homogeneous / heterogeneous mixture

sandwich



homogeneous / heterogeneous mixture

4. Mass and Volume. Complete the sentences with the words in the box.

heavy	mass	balance	measuring cylinder	volume	Mass
Volume	scale	measuring jug	grams / kilograms	litres / mililitres	

_____ is how much space an object takes up. It is measured in _____.

We use a _____ or a _____ to measure _____.

_____ is how _____ an object is. It is measured in _____. We use a _____ or _____ to measure _____.



bathroom scale



measuring jug



scale



Measuring cylinder



balance

Look at the pictures and complete with mass or volume



450gr



4500 gr



500gr



500gr

The box of cereal and the ear of corn has the same _____. The box of cereals has more _____ than the ear of corn.

The football has less _____ than the bowling ball. The football and the bowling ball have the same _____.