## Science-Materials (changes) - Year 5

## Prior Learning:

Y1 - know what a material is made from and its properties.

Y2 - compare suitability of materials. Change solids shapes.

Y4 - solid, liquid and gases. Observe changes in state. Understand water cycle.

Key Vocabulary	
Change of state	Substance changing from solid to liquid, liquid to gas or vice versa
Míxture	Substance made by míxíng other substances together
Reversible change	A change that can be undone or reversed
Irreversibl e change	A change that cannot be undone or reversed
Burning	Production of smoke, flames and ash from combustion of e.g. coal/wood
Rusting	Reaction of iron, oxygen and water to form coating
New material	New substance formed during irreversible change
Chemical change	Any change that causes a new substance to be formed



Health professionals who deal with the composition and effects of medicines.





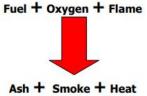
Cooking eggs by frying, boiling, scrambling, poaching

etc. is always an irreversible change.

Any reaction such as burning that causes new substances to

be formed is called a CHEMICAL **CHANGE** the changes are irreversible.





Dissolving sugar in water is a reversible



When the water is evaporated it leaves the sugar behind.

## Key Learning

- · Dissolving, mixing and changes of state are reversible changes.
- · Some changes result in the formation of new materials, and this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.

## Can I answer:

What is difference between a reversible and irreversible change?

What are the 3 reversible changes??

What is created during an irreversible change?

Changing state from solid to liquid to gas and back again is a reversible change.

PHYSICAL CHANGE

