

Golden Concepts

Asking scientific questions

Planning an investigation

Collecting, presenting and interpreting data

Errors and uncertainty

Science in our world

Key Vocabulary

Solid	A substance that holds its shape
Liquid	A substance that will take the container it is in, it will flow easily, but can be contained
Gas	A substance that has no fixed shape. Will spread out easily so if difficult to contain
Melting	When a solid turns in to a liquid, like an ice cream on a hot day
Freezing	When a liquid turns in to a solid, like water in the freezer making ice.
Reversible change	If you can get the substance that you start with back the reaction is reversible e.g. ice melting
Irreversible change	If you can't get the substance you started with back its irreversible e.g. wood burning
Chemical reaction	A chemical reaction is an irreversible change when one substance changes into another
Compare	Observe two things and say what is the same and what is different about them
States of matter	On Earth all matter exists in three forms; solid, liquid and gas

Changing materials KS2 - Knowledge Organiser

States of Matter: Introduction to the three states of matter - solids, liquids, and gases. Understanding how materials can change between these states

Changes of Materials: More in-depth exploration of reversible and irreversible changes, including chemical changes.

