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| **States of Matter – Knowledge Organiser Year 4 Summer 1** |
| **KEY VOCABULARY**  | **3 MAIN FORMS OF MATTER** | **KEY FACTS** |
| matter  | Matter makes up everything in the Universe in some way, shape or form. | Image result for year 4 states of matter | * The boiling point of water is 100°C
* The melting point of ice is

0°C |
| solid  | A solid holds its shape and always takes up the same amount of space. |
| **EXAMPLES** |
| SOLIDS | LIQUIDS | GASES |
| liquid  | Liquids take the shape of the container they are in. They can flow or be poured. | icewoodsandspongeapple  | waterhoneybloodpaintrain  | airsteamoxygenheliumozone  |
| gas  | Gas spreads out to completely fill the space they are in.  |
| temperature  | Temperature is a degree of hotness or coldness that can be measured using a thermometer. | **CHANGING STATES** | **CHANGING STATES OF WATER** |
| Matter can change from one state to another if it is heated or cooled. | **Image result for changing states of matter**  |
| Celsius | Celsius is a unit of measurement used to measure temperature. |
| molecules | Molecules are the very tiny particles that make matter. |
| reversible  | A change that can be undone and redone. |
| irreversible | A change that cannot be undone. |