States of Matter Class 3 and 4

| Key Vocabulary | | | | | |
|----------------|---|---|--|--|--|
| | | | | The Water Cycle | |
| Condensing | The process when a gas turns into a liquid | Reversible | Can be changed back to how it was before | Water Cycle: | |
| Evaporation | When a liquid turns into a gas | Irreversible | Cannot be changed back to how it was before. | Water in the earth is constantly moving. It is recycled over and | |
| Matter | Another name for material | Vapour | Small drops of liquid that occur as a result of heating a gas or a liquid. | over again in a process called the water cycle: 1. The sun heats up the water | |
| Substance | A material with certain properties and characteristics | Celsius | The common scale in the UK for measuring temperature. | on land, rivers and seas and | |
| Key Knowle | dge | | | | |
| Materials | Materials can be grouped into 4 main categories: (We do not learn about plasma at KS2) | | | | |
| Solids | Stay in one place and can be held Most keep their shape and o not flow like a liquid. Some solids like sand and salt can be poured. Solids always take up the same amount of space and do not spread out. | | | 2. Water vapour in the air cools down and condenses to form clouds. | |
| Liquids | Liquids can flow and be poured easily. They are not easy to hold. Liquids can change shape depending of the container they are in. | and water falls bac as rain. 4. Water returns to t rivers and lakes ar | and water falls back to earth as rain.4. Water returns to the sea from rivers and lakes and the cycle | | |
| Gases | Are often invisible Do not keep their shape. They will spread out to fill whatever container they are in. | whilst cho | solids melt at different temperatures: ice melts at 0c ocolate melts at approx. 35c ezes at 0c | starts again. | |
| Prior Learni | | | Next Steps | | |

| Prior Learning | Next Steps | |
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| - Children will be able to describe properties of materials, in particular | Children will learn about reversible and irreversible changes. | |
| absorbent and waterproof. | Children will learn about separation of materials using different processes. | |