'Key Sheet' – States of Matter

Year Group; 4

Key Content	Key skills
• Compare and group materials together, according to whether they are solids, liquids or gases • Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°c) • Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. • Recognise that water can be changed from a solid or gas back into a liquid. • **Pupils to observe and record evaporation over a period of time.** • **Pupils to observe changes in state of water.**	Children should be able to give simple descriptions of solids(holding shape) liquids (from pool not a pile) and gases (escape from a unsealed container) They should be able to group materials together based on whether they are solids , liquids or gases.
Key questions	**Key Vocabulary**
• How can we describe solids, liquids and gases? • How can materials be grouped according to their properties? • What is evaporation? • What is condensation? • What happens when water is heated or cooled?	**Solids** **Liquids** **Gases** Properties **Evaporation** **Condensation** **Water cycle**