





Science		Year 4	
Focus: States of Matter			
Age related vocabulary			
solid	Materials that keep their shape unless you apply force to them. They can be hard, soft or squashy.	evaporation	Turning a liquid into a gas
liquid	Materials take up the shape of the container they are in. they can flow or be poured.	condensation	Turning a gas into a liquid
gas	Gases spread out to completely fill the room or container they are in.		

Carlton Assessment Grid			
Success Criteria	Pupil Reflection		Teacher Assessment
I can sort and describe materials depending on whether they are solid liquids or gases	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can classify and group gases and explain their properties	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can observe materials as they change state	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can explore how water changes state	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can investigate how water evaporates through observation	Before <input type="checkbox"/>	After <input type="checkbox"/>	
I can identify and describe the different stages of the water cycle	Before <input type="checkbox"/>	After <input type="checkbox"/>	

Key Knowledge		
<ul style="list-style-type: none"> Materials can be one of three states – solid, liquid or gas. Some materials can change from one state back to another and back again. If a solid is heated, its particles start to move faster and faster and it melts and changes to a liquid. If a liquid starts to freeze, its particles start to slow down and it will change to a solid. 		
Solid 	Liquid 	Gas 