


WorksheetCloud: MEMORANDUM

Grade 8

Subject: Natural Sciences

Topic: Summary

<i>State of matter</i>	<i>Solid</i>	<i>Liquid</i>	<i>Gas</i>
<i>Diagram showing how the particles are arranged</i>			
<i>Arrangement of the particles</i>	<i>Very closely packed. Regular arrangement</i>	<i>Close together, but disordered.</i>	<i>Far apart and disordered.</i>
<i>Spaces between particles</i>	<i>Very small spaces.</i>	<i>Small spaces.</i>	<i>Very large</i>
<i>Forces of attraction between particles</i>	<i>Strong</i>	<i>Strong but weaker than in solids</i>	<i>Very weak</i>
<i>Movement of particles</i>	<i>Vibration only</i>	<i>Sliding movement, random.</i>	<i>Fast and random movement</i>
<i>Shape</i>	<i>Fixed shape</i>	<i>No fixed shape Depends on the container</i>	<i>No fixed shape</i>
<i>Volume</i>	<i>Fixed volume</i>	<i>Fixed volume</i>	<i>No fixed volume Depends on the container</i>
<i>Compressibility</i>	<i>Cannot be compressed</i>	<i>Slight compression is sometimes possible</i>	<i>Very compressible</i>
<i>Diffusion</i>	<i>Does not diffuse</i>	<i>Diffuses slowly</i>	<i>Diffuses quickly</i>
<i>Density compared to the other states</i>	<i>Highest density (except in the case of ice)</i>	<i>Almost as dense as the solid</i>	<i>Lowest density</i>