

Notes – Particles in Motion

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| Particles in Motion | <p>All _____ is made of tiny _____.</p> <p>These particles are in constant _____</p> |
| Particles in Motion | <p>The _____ in motion of particles _____ all forms of matter to have different _____.</p> |
| Phases of Matter | <ul style="list-style-type: none"> _____ Phases (States) of Matter <p>_____</p> <p>Liquid</p> <p>_____</p> <p>_____</p> |
| Solids | <p>Particles are _____ packed, close together and _____ moving</p> <p>Definite _____ and _____ because particles are packed close</p> |
| Liquids | <p>Particles _____ slowly _____ one another</p> <p>_____ definite _____ but do have a definite volume</p> |
| Gases | <p>Particles are very _____ apart and move very _____</p> <p>_____ definite _____ and _____ definite _____</p> |
| Plasma | <p>_____ are extremely far _____ and _____ extremely _____</p> <p>Basically, _____ is a hot gas that gives off _____</p> <p>Examples _____ signs, stars, _____, and halogen lights in classroom</p> |

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| Phase Changes | <p>_____ – changing from a _____ to a _____</p> <p>_____ - changing from a _____ to a _____</p> <p>_____ – changing from a _____ to a _____</p> <p>_____ – changing from a _____ to a _____</p> |
| Phase Changes | <p>_____ - change from a _____ to a _____</p> <p>The best known example is " _____ ", solid CO₂</p> <p>_____ -when a substance changes directly from a _____ to a _____</p> <p>Example-formation of _____</p> |
| Changes in Density | <p>_____ is the ratio of _____ per unit _____ of a substance.</p> <p>The _____ means how much _____ is in the substance</p> <p>the _____ is the _____ the matter takes up.</p> <p>The more _____ packed the particles are in a certain space, the _____ the _____</p> |
| Changes in Density | <ul style="list-style-type: none"> Almost all _____ are more _____ solids than a _____. |
| Exception: Ice & Water | <p>Because of the way _____ bonds, when water freezes to ice, it leaves _____ between the molecules.</p> <p>These spaces make the ice (solid form of water) _____ dense.</p> |