Sci 8 **Matter WS**  Name:

1. Define the following
2. Matter
3. Mass
4. Volume:

|  |  |
| --- | --- |
| 1. Which has more mass? Circle your choice.
2. A basketball or a bowling ball
3. A helium balloon or a glass marble
4. A kitten or a german shephard
 | 1. Which has more volume?
2. A basketball or a bowling ball
3. A helium balloon or a glass marble
4. A kitten or a german shephard
 |

1. Think of 2 examples of each state of matter at HOME. Write them in the space below

|  |  |  |
| --- | --- | --- |
| SOLIDS AT HOME | LIQUIDS AT HOME | GASES AT HOME |
|  |  |  |

1. In each of the jars below, draw the particles in a solid, liquid, and gas. Make sure to indicate whether the particles are moving or vibrating in your diagrams. Complete the corresponding chart below the jars.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Solid | Liquid | Gas |
| Attractive forces between particles | strong |  |  |
| Movement of particles |  |  | Can move freely and quickly in all directions in the container |

1. What is *Kinetic Energy*?
2. What are the three main points of the Kinetic Molecular Theory?
3.
4.