Sci 8 **States of Matter Worksheet** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_

Block: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is Kinetic Energy?
2. What are the three main points of the Kinetic Molecular Theory?
3. Complete the chart below describing states of matter:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Solid | Liquid | Gas |
| Shape |  |  | Not fixed  Takes the shape of the container |
| Volume |  | Fixed volume |  |
| Spaces between particles |  |  |  |
| Attractive forces between particles | strong |  |  |
| Arrangement of particles |  | Randomly arranged  Particles are touching, but able to move past one another |  |
| Movement of particles |  |  | Can move freely and quickly in all directions in the container |
| Example |  |  |  |
| Draw a picture of the particles |  |  |  |