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| ***Lab: How do we sketch particles differently as Solid, Liquid, and Gas?***East HS chemistry Mr. Genest |  | **First Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Last Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Period \_\_\_\_\_\_\_\_\_\_** Be neat, -1 if you skip a blank above… |

1. Open a browser, such as Google Chrome Click on the link from our class website for today, OR http://phet .colorado.edu/en/simulation/states-of-matter-basics OR from Google, search PHET STATES OF MATTER
2. Click on States of Matter: Basics
3. Once you see the simulation screen shot, click “Run Now!” OR press Play.



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| **Read this: set your computer for ‘NEON’** |  |  |
|  | **Solid** | **Liquid** | **Gas** |  |  |  |  |
| **Shape of the glop of matter** |  |   |  |  | A single Iron particle looks like this  Draw your predicted particle picture in each box  | Draw 8 particles of GAS Iron | Draw 8 particles of SOLID Iron |
| **Use a ruler to measure in mm the space between atoms** |  |  |  |  | A single cyanide particle looks like this  Draw your predicted particle picture in each box | Draw 5 particles of SOLID cyanide | Draw 5 particles of LIQUID cyanide |
| **Measure the motion of each particle using both time and distance units somehow (there is no *right* answer)** |  |  |  |  | *Tell an artist how to draw solids, liquids, gases.*.On separate paper, write an instruction paragraph that starts out “An artist that is trying to draw cartoons of Solid, Liquid, and Gas particles, should draw them as follows…” Staple your paragraph to this paper |
| **Draw a picture**  |  |  |  |  |