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| The Dance: Particles in Solids & Liquids  East.H.S. ©λ€M|5+rγ  visit http://genest.weebly.com |  | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Come for assistance and cheerful encouragement after school Tues, Thurs, every day at lunch |

***Use your materials from today’s class to answer these questions.***

1. Sketch how solid and liquids look at the microscopic level.

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1. What pulls molecules close together (two word technical term)?
2. List three types of kinetic energy in the molecules of a liquid.
3. **Tough question:** Of the three energy forms you named in the previous question, which would be nearly impossible for the molecules in a solid?
4. Which will have more energy:
   1. a solid substance
   2. the same substance but as a liquid
5. If the freezing point of neon is negative 249 °C, what is the melting point of neon?

***Use your metric cheat sheet to answer these questions. By this Friday you should be able to draw this cheat sheet from memory.***

1. In every 1 meter there are \_\_\_\_\_\_\_\_\_\_ micrometers.
2. In every 1 megameter there are \_\_\_\_\_\_\_\_\_\_ meters.
3. In every 1 μm there are \_\_\_\_\_\_\_\_\_\_ nm.
4. In every 1 kilogram there are \_\_\_\_\_\_\_\_\_\_ grams.
5. In every 1 kg there are \_\_\_\_\_\_\_\_\_\_ mg.