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| review #1 for Thursday’s Test  East.H.S. ©λ€M|5+rγ  visit http://genest.weebly.com |  | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Come to study. This week I am here Tues. & Thurs after school until 4:45 and every day at lunch |

Fill in every grey box with the correct word and the correct symbol

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|  | ? | ? |  | ? | ? | k | ? | ? | 🖐 | ? |  | m | ? | ? |  | ? | ? |  | ? | ? |  |
|  |  |  |  |  |  | kilo |  |  | base |  |  | milli |  |  |  |  |  |  |  |  |  |

1. What are three things that molecules do that give them kinetic energy?
2. Chocolate bars are solid but they still have an odor. Draw a particle picture in this box between the nose that explains this:

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1. The video on Tuesday described molecules as doing 'The Dance'. What are the only two moves allowed in this dance?
2. **How well can you memorize?** Write numbers onto each thermometer to match the three indicated amounts of temperature Try not to look at the other side of your class notes. . .

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| **Degrees Fahrenheit** |  | **Degrees Celsius** |  |  |
|  | boiling water  human body  frozen water |  | boiling water  human body  frozen water |  |
| Write the symbol for *degrees Fahrenheit:* |  | Write the symbol for *degrees Celsius* |  | Write the symbol for *Kelvins* |

1. Which will have more energy:
   1. a solid substance
   2. the same substance but as a liquid
2. 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.

Underline the GIVEN (the lonely unit that is not paired with another unit). Circle CONVERSION FACTORS (pairs of units). Draw a box around the GOAL (the unit the answer should be in).

If brats at State Street Brats have a mass of 650 grams each and you eat 1 brat every 15.00 minutes, how many grams of brat will you eat in 18.1 minutes?

Solve: