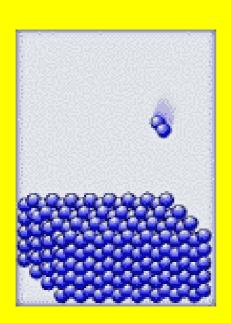
# Unit I Heat and Thermodynamics

## Kinetic Theory of Matter

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### The kinetic theory and the physical states of m atter:

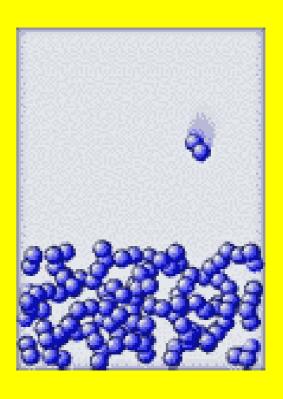


#### **Solid**

- particles have a low kinetic energy
- particles are held close
- vibrate around a fixed point

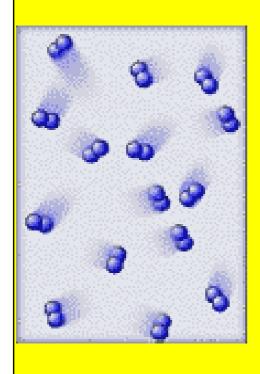
## Liquid

- particles have enough kinetic energy to spread out
- collisions move particles around

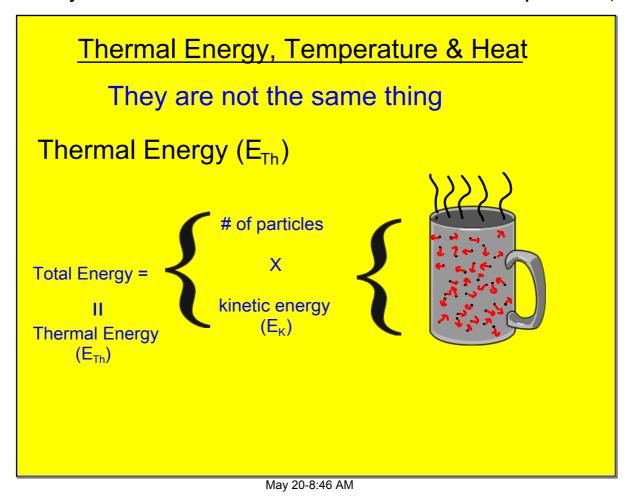


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## Gas



- Kinetic energy can break all forces of attraction
- particles move independently of each other

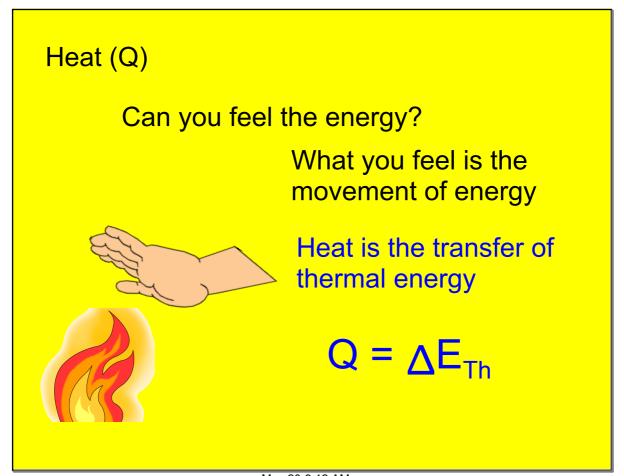




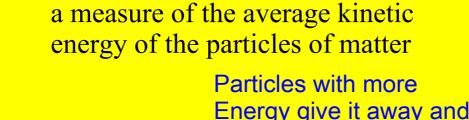


- particles
- kinetic energy

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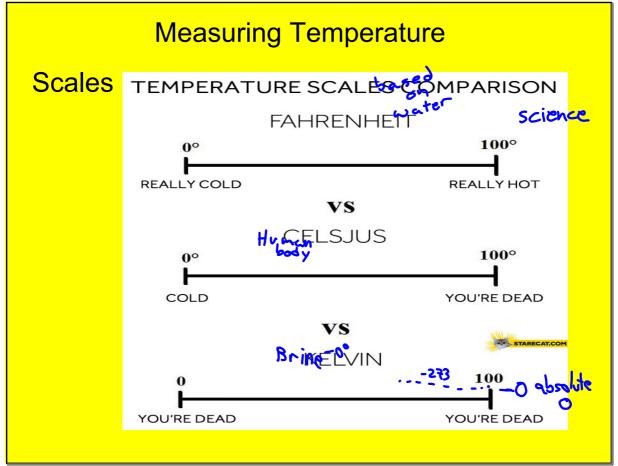
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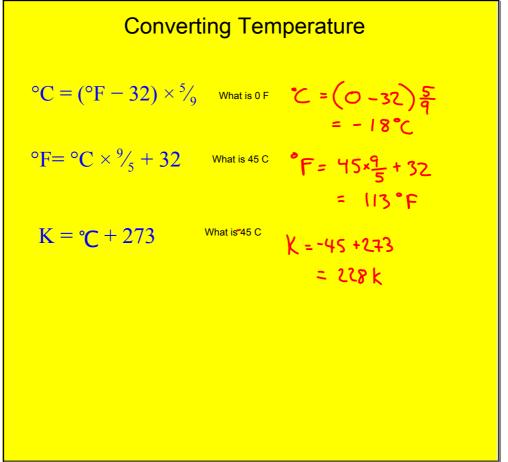
Temperature (T)

Energy give it away and temperature reads higher.

Particles with less Energy take some and the temperature reads lower.



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