

Name: _____

Period: _____



Chemistry

Homework: Modeling behavior of matter

Directions: For each scenario below, draw a model to illustrate what is happening with the particles and energy (if applicable). If necessary, include a key.

1. Two different substances are moving at the same speed (or are at the same temperature) in random directions. They both have the same concentrations (amount).

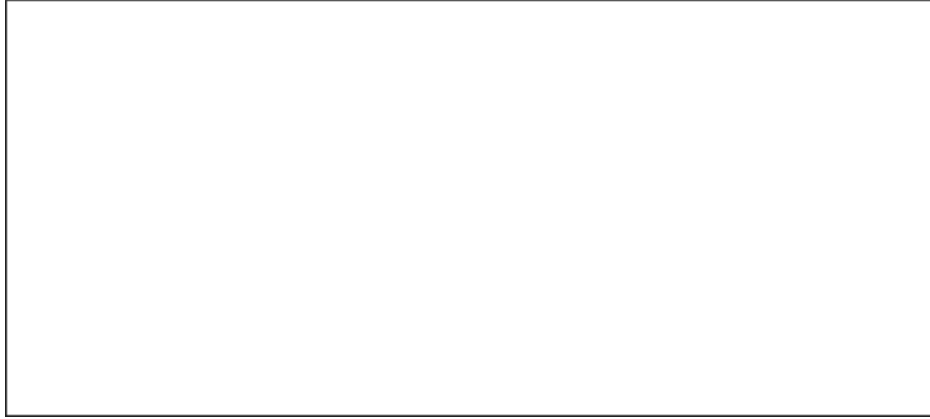
2. Two different substances are moving at the same speed in random directions. One is more concentrated (more particles) than the other.

3. A warm liquid heats the air particles above it.

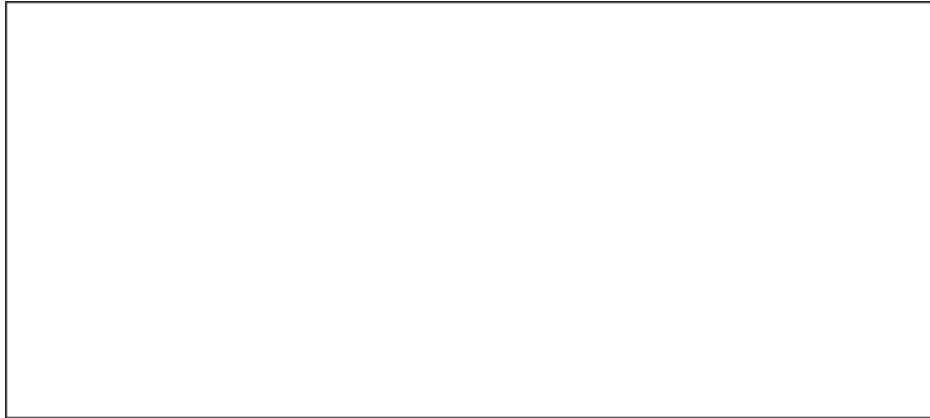
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4. A stove top heats a pot that then heats water that is inside the pot.



5. Ice cube melting in a glass of liquid.



6. A fire heating the surrounding room.

