

|                                                                                   |                                                                       |                                |                                                                            |                                        |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------|----------------------------------------|
| the total kinetic energy of the atoms or molecules                                | A will be less than beaker B                                          | False                          | radiation                                                                  | convection                             |
| Beaker C will have the greatest thermal energy                                    | the average kinetic energy of the particles in an object              | kinetic energy of the object   | All of the energy can be accounted for as work or heat.                    | mass temperature and phase             |
| temperature difference                                                            | the transfer of thermal energy from one object to another             | <b>FREE</b>                    | Andre'                                                                     | True                                   |
| an increase in temperature causing the particles of matter to mover farther apart | temperature                                                           | both conduction and convection | Stirring brings up the warm coffee to go into the atmosphere in conduction | kinetic energy makes temperature go up |
| Radiation                                                                         | As gas particles move faster they overcome some forces of attraction. | kinetic energy of the object   | work is done on the system.                                                | Celsius degree                         |

|                                                                                  |                                                         |                                                    |                                                                       |                                     |
|----------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------|
| the transfer of thermal energy from one object to another                        | All of the energy can be accounted for as work or heat. | radiation                                          | Beaker C will have the greatest thermal energy                        | kinetic energy of the object        |
| <b>False</b>                                                                     | work is done on the system.                             | convection                                         | As gas particles move faster they overcome some forces of attraction. | mass temperature and phase          |
| an increase in temperature causing the particles of matter to move farther apart | <b>Andre'</b>                                           | <b>FREE</b>                                        | <b>True</b>                                                           | <b>A will be less than beaker B</b> |
| Stirring brings up the warm coffee to go into the atmosphere in conduction       | kinetic energy of the object                            | the total kinetic energy of the atoms or molecules | <b>Celsius degree</b>                                                 | temperature                         |
| both conduction and convection                                                   | kinetic energy makes temperature go up                  | temperature difference                             | the average kinetic energy of the particles in an object              | <b>Radiation</b>                    |

|                                                                       |                                                                                   |                                                         |                                                          |                                                                            |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------|
| As gas particles move faster they overcome some forces of attraction. | <b>kinetic energy of the object</b>                                               | All of the energy can be accounted for as work or heat. | kinetic energy makes temperature go up                   | <b>Andre'</b>                                                              |
| the total kinetic energy of the atoms or molecules                    | an increase in temperature causing the particles of matter to mover farther apart | <b>both conduction and convection</b>                   | the average kinetic energy of the particles in an object | <b>convection</b>                                                          |
| temperature difference                                                | <b>Celsius degree</b>                                                             | <b>FREE</b>                                             | temperature                                              | Stirring brings up the warm coffee to go into the atmosphere in conduction |
| the transfer of thermal energy from one object to another             | mass temperature and phase                                                        | <b>radiation</b>                                        | work is done on the system.                              | <b>False</b>                                                               |
| <b>True</b>                                                           | <b>A will be less than beaker B</b>                                               | kinetic energy of the object                            | Beaker C will have the greatest thermal energy           | <b>Radiation</b>                                                           |