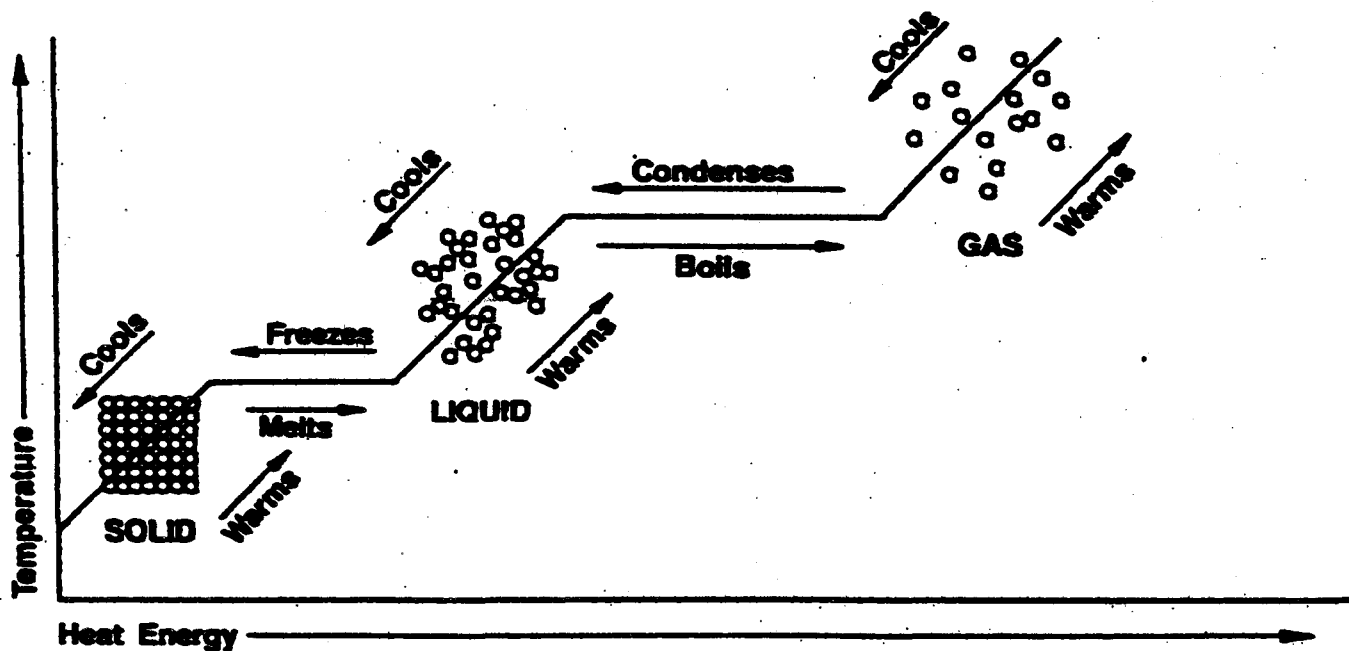


# Phase Changes

The accompanying graph shows the relationship between temperature **and** heat energy during **the phase changes** of water. Study **the graph** and answer the **questions**.



1. Does the temperature increase during melting? \_\_\_\_\_
2. Is energy required for each phase change? \_\_\_\_\_
3. Can both liquid water and steam exist at 100°C? \_\_\_\_\_
4. What must be **changed**, temperature or heat energy, during **condensation**? \_\_\_\_\_
5. How would you describe the change in the arrangement of particles as heat energy and temperature increase? \_\_\_\_\_
6. What rule can you state about the relationship between phase changes and temperature?  
Between phase changes and heat energy? \_\_\_\_\_