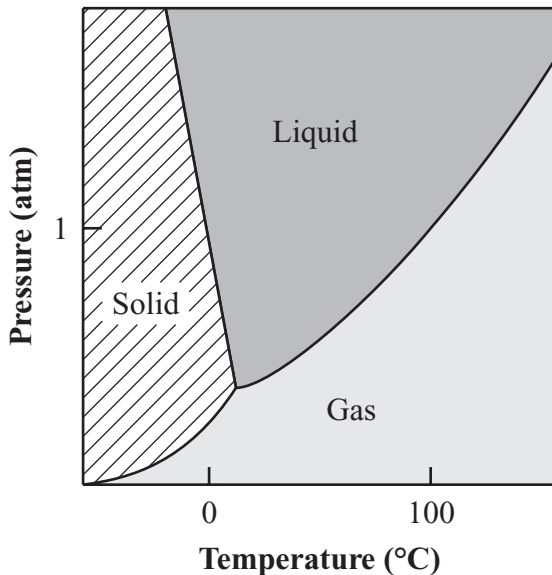


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At sea level, water boils at 100°C . The boiling point of water varies with changes in air pressure, as shown in the diagram below.



- Based on the diagram, describe what happens to the boiling point of water as air pressure decreases.
- Use the kinetic molecular theory to describe the process of boiling.
- Use the kinetic molecular theory to explain why the boiling point of water is affected by pressure.