Changing State – Freezing

Objective:_____
_____
_____

Key Concepts:

- _____ is the process that causes a substance to change from a _____ to a _____.
- Freezing occurs when the molecules of a liquid _____ enough that their _____ cause them to _____ themselves into _____ as a solid.

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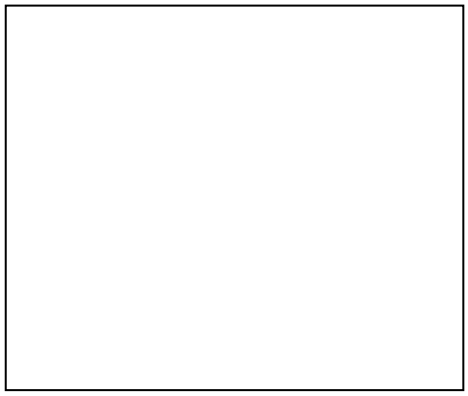
Changing State – Freezing: Processing

What happens to liquid water, at a molecular level, when it freezes to become a solid in the form of ice?

Draw how water molecules arrange themselves when they become a solid. Describe how the molecules arrange themselves.



What holds the water molecules together when they are forming a solid?

When molecules form a solid, do they complete stop or still vibrate a little?

What are some of the differences between liquid water and solid ice?