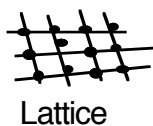


A heated discussion



Eureka Video Questions (prog. 16-19)

1. How do the "little lumps" move in solids?
2. What is the scientific term for little lumps?
3. What happens to the molecules in a solid as it melts to a liquid?
 - a. (as the solid gets warmer)
 - b. (as it melts)
 - c. (when it is a liquid)
4. What happens to molecules when liquids cool down and solidify (freeze)?
 - a. (as the liquid gets colder)
 - b. (as it solidifies or freezes)
 - c. (when it is a solid)
 - d. Why do these things happen?
5. What is evaporation? Change from a _____ to a _____. What happens to the molecules?
6. What is condensation? Change from a _____ to a _____. What happens to the molecules?

"Dance" of the molecules: 1. Make a picture of the "dance of the molecules" in a **solid**, a **liquid** and a **gas**. Be sure to show how they move and how close together they are for each state of matter. 2. Under each, describe their motion in **words**. 3. Draw a **thermometer** between each section to show the melting point and boiling point of water.

Solid	Liquid	Gas