


"Frying Ice"

Think about the Bill Nye video clip that we watched today about "Frying Ice". Here's the [link](#) to the video, if you need to rewatch it.

Then, answer the questions completely and thoughtfully below. I've included a WORD BANK that you can use in your responses, if you need to.

Science Vocabulary Word Bank

Solid	Liquid	Gas
Evaporate	Heat	Temperature
Melting	Ice	Water
Water Vapor	Particles	Speed Up
Slow Down	Phase	Matter

 Describe the **3 Phases of Matter** that you observed in this video. Be specific and *write your answers below*.

SOLID:

LIQUID:

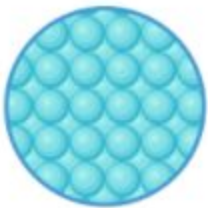
GAS:

? What happened to the ice cube as the kids in the video "fried it"? Use scientific vocabulary in your response. *Write your answers in the spaces below.*

? What caused the solid ice to change "phases"?

🤔 Now, imagine that you are able to "zoom in" to look at these 3 phases of matter with a very high powered microscope 🔬. With this microscope, you can see the particles of matter in each phase.

👁️ Identify which phase of matter matches each "zoomed in" picture below. Explain, in your own words, what is happening to the particles in each picture.





Blank rectangular box for notes or description.



Blank rectangular box for notes or description.

😊 If you could design your OWN experiment about the Three Phases of Matter, what would you like to do? *Briefly describe your experiment below.*