

## NOTE-TAKING GUIDE UNIT 2, SEGMENT D

Name:

Date:

### Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas and big questions.

#### Objective(s):

- To compare and contrast phase changes of matter: melting/freezing; condensation/vaporization and sublimation/deposition.
- To design a model for the relationship between phase changes and temperature.

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During the video segment, use words, phrases or drawings to take notes.

#### **Summary:**

After watching the video segment, write at least three sentences explaining what you learned. You can ask yourself: "If I was going to explain this to someone else, what would I say?"



# QUESTIONS TO CONSIDER: UNIT 2, SEGMENT D

Name:

Date:

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

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1.	Describe or draw one of the demonstrations with liquid nitrogen shown by Adrian Elliott from Fernbank Science Center.
2.	Explain what happened in the demonstration you described using the term "phase change."
3.	When frozen carbon dioxide (dry ice) warms up, a phase change called SUBLIMATION occurs. What is sublimation?
4.	When water vapor gas freezes into snowflakes without becoming liquid, a phase change called DEPOSITION occurs What is deposition?
5.	Below, draw a graphic organizer (seen in the video) that shows the relationship between freezing, melting, vaporization, sublimation, deposition and condensation.
6.	How is temperature change related to all these phase changes?