

Name _____

Date _____



What's the Matter with My Jell-O? Higher Level Thinking Assessment



Directions: Complete 30 points in choices on a separate sheet of paper. Place a checkmark by the answers that you complete. The due date is _____ .

Knowledge (5 points)

_____ List the steps in making Jell-O.

Comprehension (10 points each)

_____ Explain the meaning of the term phase change. Give two examples.

_____ Explain the meaning of the term freezing point. Give two examples.

Application (15 points)

_____ Explain what happens when we salt roadways. Use the term melting point in your response.

Analysis (20 points)

_____ Conduct an experiment at home to determine the least amount of salt you can have in 100 milliliters of Jell-O and still prevent phase change. Create your own Thinksheet and Data Sheet to record your investigation. Bring your Jell-O samples to class to share.

Synthesis (25 points)

_____ Create a song, poem, or rap that illustrates the connection between matter and Jell-O. A 25 point response will use the following words in a meaningful way: phase change, density, measurement, matter, and physical change. Be prepared to present your artistic creation to the class.

Evaluation (30 points)

_____ Does salting roadways harm the environment? Find three or more resources that describe the effects of salt on ecosystems. Write a 100+ word response that uses research to support your informed opinion. Complete a Main Ideas With Support prewrite sheet and turn it in with your final copy. Complete a bibliography card for each resource used.

Name _____

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Main Ideas with Support Prewrite Sheet



Directions: Complete this sheet to prepare for paragraph writing. Each main idea sentence needs an additional support sentence to give more details.

Topic Sentence _____

1st Idea _____

1st Support _____

2nd Idea _____

2nd Support _____

3rd Idea _____

3rd Support _____

Conclusion Sentence _____

If you have more than three ideas, use additional paper!