

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.

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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!*