

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

**Fig. 1: RESULTS OF OSMOSIS**

	<b>JAR VOLUME BEFORE EGG WAS ADDED</b>	<b>VOLUME AFTER EGG WAS ADDED</b>	<b>OBSERVATIONS OF EGG</b>
<b>VINEGAR</b>			
<b>SYRUP (like salt water)</b>			
<b>DISTILLED WATER</b>			

**QUESTIONS:**

1. When the egg was placed in the water, in which direction did the water molecules move?

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2. On what evidence do you base this?

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3. How do you explain the volume of liquid remaining when the egg was removed from the syrup?

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4. If the egg was placed in the water after being removed from the syrup, in which direction would the water move?

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**APPLICATIONS:** Using concepts developed from the two experiments, Answer the questions of application.

1. Why do grocery store owners spray fresh fruits and vegetables with water?

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2. Roads are sometimes salted to melt ice. What does this do to plants around the roadside and why?

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3. If a shipwrecked crew drinks sea water, they will probably die. Why?

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4. If a bowl of fresh strawberries is sprinkled with sugar, a few minutes later the berries will be covered with juice. Why?

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5. After being in the water at the beach for 2 straight hours, you come out and notice your skin is more wrinkled than when you went in. Why?

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