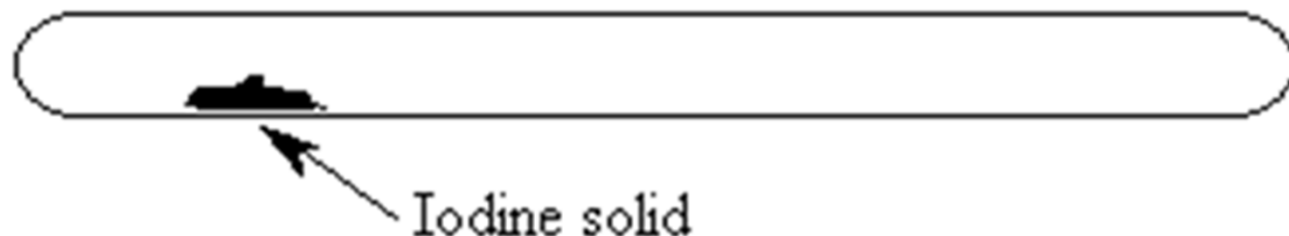


Bell Work, Apr 24 – Apr 25 , 2014

Test Review from Matter & Change  
Test

Bell Work, Thursday, 4/24/14 (1 questions)

- 1. A 1.0-gram sample of solid iodine is placed in a tube and the tube is sealed after all of the air is removed. The tube and the solid iodine together weigh 27.0 grams.**



**The tube is then heated until all of the iodine evaporates, filling the tube with iodine gas. After heating, the total mass will be:**

- |                          |                          |
|--------------------------|--------------------------|
| a. less than 26.0 grams. | d. 28.0 grams.           |
| b. 26.0 grams.           | e. more than 28.0 grams. |
| c. 27.0 grams.           |                          |

## Bell Work, Friday, 4/25/14

**1. When an iron nail melts, its mass \_\_\_\_.**

**a. stays the same**

c. increases

b. decreases

d. cannot be determined

**2. When the sugar dissolved in the water, you found that the mass remained unchanged. When the Alka-Seltzer dissolved in the water, the mass of the system changed. The best explanation is.**

a. The Alka-Seltzer underwent a chemical change.

b. The Alka-Seltzer experiment was an open system.

c. The sugar and water was in a closed system and did not undergo a chemical change.

**d. All the above answers are correct.**