



Worksheet Instructions:

- 1. Read the following scenarios and answer using complete sentences.
- 2. Submit the completed worksheet to your Flex course.

1. 10 grams of a flavored drink mix are dissolved in 100 grams of water. What would you expect the mixture to weigh? Why?

2. Julian mixed cream and vinegar to make a new substance. He weighed everything he used before and after the experiment. What do you predict about the weight after the experiment compared to what it weighed before the experiment?

3. Linda was experimenting to find out if salt that was dissolved in water weighed the same before and after the water evaporated. Look at her chart to answer the question.

Substance	Weight of Water Added to the Cup	Weight of Salt After Evaporation
5 grams of Salt	100 grams of Water	5 grams

What happened to the weight of the salt after the water evaporated? Explain why you Linda got the results that she did.



4. 5 grams of powdered Jello mix is mixed with 100 grams of water. What would you expect the new solution to weigh? Why?

5. John's teacher helped the class make "Goo" one day during their unit on matter. They mixed borax and glue together to form a slime like substance. She had them observe the properties of their new substance. What prediction can you make about the weight of the substance before and after the materials were mixed?
