WHAT DID YOU OBSERVE?

3. When you dissolved sugar in water, did the total mass of the water and sugar stay the same, or did it change?

4. Why do you think you got the result that you did?

5. If you dissolved salt in water, do you think the total mass of the water and salt would change? Why or why not?

DEMONSTRATION

Mass of sodium carbonate solution and cup_____grams

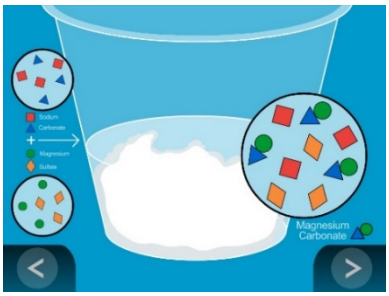
Mass magnesium sulfate solution and cup _____grams

Mass of combined solutions and 2 cups _____grams

6. Why do you think the total mass of the substances stayed the same from before the reaction to after the reaction?

EXPLAIN IT WITH ATOMS & MOLECULES

7. In the animation showing what happened in the chemical reaction, how did it explain why the mass of the products was the same as the mass of the reactants?



TAKE IT FURTHER

8. When water freezes to form ice, it expands to take up more room in the container. Why does the ice have the same mass as the liquid water did before it was frozen?