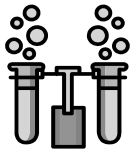
SOLUTIONS, MIXTURES AND CHEMICAL REACTIONS



KEY OPENING QUESTION: What is the difference between a solution, a mixture and chemical reaction?

MATERIALS: Balance
1 graduated cylinder
6 beakers
Stirring rod
3mL of water
3mL of vinegar
3g of baking soda
3g of antacid tablet
3g of salt crystals

PROCEDURE:

1. Label 3 beakers A, B, and C.
2. Measure 2mL of water using the graduated cylinder and place into beaker A.
3. Do the same for beakers B and C.
4. Label the remaining 3 beakers D, E, and F.
5. Measure 2mL of vinegar using the graduated cylinder and place into beaker D.
6. Do the same for beakers E and F.
7. Using the balance measure 3g of salt crystals, 3g of antacid tablet and 3g of baking soda.
8. Place the measured salt crystals into beaker A
9. Place the measured antacid into beaker B
10. Place the baking soda into beaker C.
11. Note what happens.
12. Using the balance measure 3g of salt crystals, 3g of antacid tablet and 3g of baking soda.
13. Place the measured salt crystals into beaker D
14. Place the measured antacid into beaker E
15. Place the baking soda into beaker F.
16. Note what happens.

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OBSERVATIONS AND DATA:

	A	B	C	D	E	F
Water						
Vinegar						

Explain your observations

CONCLUSION: (Answer the question)