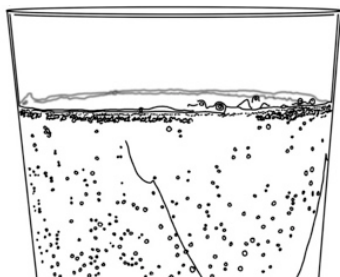


3.5 Explanations Tool: What Happens to Soda Water When It Fizzes?



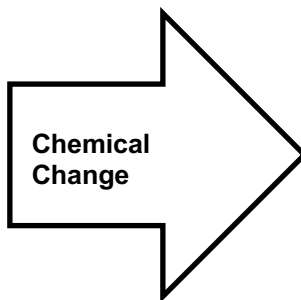
Draw and label arrows that show molecules moving through and out the soda water when it fizzes.

- Show and label molecules with carbon atoms
 - In the soda water before it starts to fizz
 - Moving through the soda water in the bubbles
 - leaving the soda water
- Label other, relevant molecules.



Write the chemical equation for the change that happens when soda water fizzes:

What molecules are carbon atoms in before the chemical change?



What molecules are carbon atoms in after the chemical change?

What other molecules are produced?

Explain in words: What happens to soda water when it fizzes? (Answer below and on the back if you needs space.)

Use this Explanations Tool to help guide your written explanation, being sure to answer the Matter Movement and Matter Change Questions.

Remember: **Atoms last forever** (so you can arrange atoms into new molecules, but can't add or subtract atoms).