## Vinegar and Baking Soda

When we did it we mixed 1 oz of baking soda with 4 oz of vinegar. It made a chemical reaction. It made carbon dioxide.

$$
\begin{gathered}
\mathrm{NAHCOS}(S)+\mathrm{CHSCOOH}(L)> \\
\mathrm{COZ}(G)+\mathrm{HZO}(L)+\operatorname{NA}(A Q)+\mathrm{CHSCOO}(A Q)
\end{gathered}
$$

$\mathrm{S}=$ solid, I=liquid, $\mathrm{g}=\mathrm{gas}$, and aq=aqueous or in water solution.

This experiment shows that gas has weight.

