

**DESCRIBE WHAT
WILL HAPPEN TO
THE SODA WHEN
THE CAN IS
OPENED AFTER
BEING SHAKEN.**

**WHY DO YOU
THINK THIS
WILL HAPPEN?**



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Scientific American answers: *Small bubbles caused by shaking help to hasten the escape of the soda's carbon dioxide. Cans of carbonated soft drinks contain CO_2 under pressure so that the gas dissolves in the liquid drink. Once the can is opened, all of the gas will eventually escape from the liquid as bubbles, and the soda will go "flat." If the liquid is handled gently, it takes a long time for the dissolved gas to escape. If the can is shaken, however, or if the liquid is poured quickly into a glass, then the bubbles formed by turbulence provide an easier way for the dissolved gas to escape.* <https://www.scientificamerican.com/article/why-does-a-shaken-soda-fi/>

We've heard that Dr. Pepper spews the most when shaken, followed by Coca-Cola, then Grape Fanta. Try it!