STEM EXPERIMENT & COLORING WORKSHEET

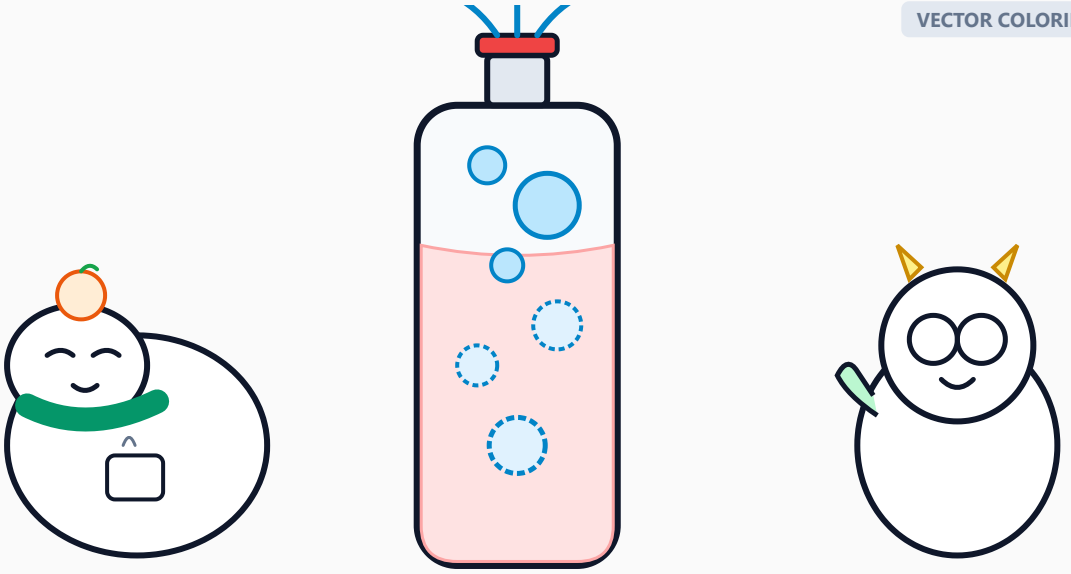
EP015: WHY DOES SHAKING SODA MAKE IT EXPLODE?!

THE CO2 PRISON & HIGH-PRESSURE BUBBLES

Discover the amazing physics behind carbonated soda bottles and learn Master Capy's mindful secret to stay calm under pressure!

FUN PHYSICS | CO2 PRESSURE | MINDFUL CALM

VECTOR COLORING SHEET



MASTER CAPY

BROTHER ZEN

COLOR THE FIZZY BOTTLE & CHARACTERS!

1. TRAPPED CO2 GAS

High factory pressure forces millions of CO2 gas molecules to dissolve in water. Sealed shut, they stay dormant!

2. MICRO SEED BUBBLES

Shaking creates micro seed bubbles on the walls. Opening the cap causes explosive expansion, blasting liquid upward!

3. MASTER CAPY'S TRICK

Shook the bottle? Breathe in, wait 10s and gently tap the bottle sides so bubbles settle. Open smoothly in complete peace!

STEM LOG: SODA BOTTLE CONTROL EXPERIMENT

(Perform outdoors or over a sink with adult supervision)

Method	Wait Time	Bubble Behavior	Outcome When Opened	Safety Rating
Test 1: Shake & open instantly	0 giây	Micro bubbles cling walls	**ERUPTS VIOLENTLY!**	⭐ (Ướt sàn)
Test 2: Shake & wait 30 seconds	30 giây	Bubbles slow down	Mild fizz, no geyser	⭐⭐⭐
Test 3: Capy Trick (Tap sides)	**10 giây**	**Bubbles release to top**	**SMOOTH & ZERO SPILL!**	⭐⭐⭐⭐⭐

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