

Dry Ice Vibes

How much noise could an ice cube make?

WHAT TO DO

Put on a pair of gloves. An adult will place a piece of dry ice in an aluminum pie pan. Use one or two spoons to press and squeeze the solid ice, making loud, creepy sounds.

WHAT'S HAPPENING?

Dry ice is extremely cold solid carbon dioxide (*that's why you should never touch it with your bare hands*). Pressing a warm spoon against the solid heats it above -110°F and causes it to change from a solid to a gas, skipping the liquid phase, i.e. it doesn't melt and won't get wet or make a puddle. That's why it's called "dry ice." The gas created pushes on the spoon or pie pan, making them vibrate and produce sound waves. The spoon will get very cold quickly, however (it's okay to touch the cold spoon), so you should change to a warmer spoon frequently if you want to make the most noise!