THE SCIENCE SWEETIES

CLASSROOM SCIENCE SHEET

FREEZE DANCE

What happens when something freezes

States of matter · Freezing & melting · Grades K-2

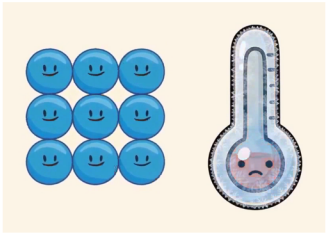
THE BIG IDEA

Freezing is the opposite of melting.
Molecules slow down and lock into place.



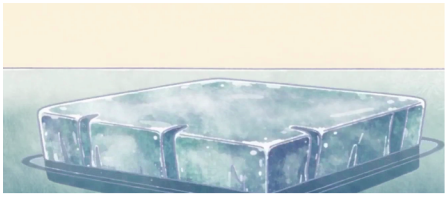
1 MEET THE EXPERT

Pyper never speaks a word.
Freezing is his signature move.
He is the show's cold expert.



2 WATER FREEZES AT

0°C in Celsius.
32°F in Fahrenheit.



3 WHY ICE FLOATS

Molecules take up more space in ice,
so the same amount weighs less.
Less dense - so it floats.

TWO THINGS TO REMEMBER

FREEZING POINT

Every liquid has its own exact temperature where it turns solid.

OUTSIDE IN

Freezing starts on the surface first - the middle stays soft the longest.

WORDS TO KNOW

FREEZE · FREEZING POINT · DENSITY · EXPAND · CRYSTAL · SOLID

ASK YOUR CLASS

- **What is the opposite of freezing?** Melting.
- **Why does ice float?** It is less dense - the same amount of water weighs more.
- **Does freezing happen all at once?** No - from the outside in.

Watch the song: "Freeze Dance"

The Science Sweeties · 2:04 · Free on YouTube

Try it: play music, then freeze completely when it stops. Count how long you can hold it!

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