

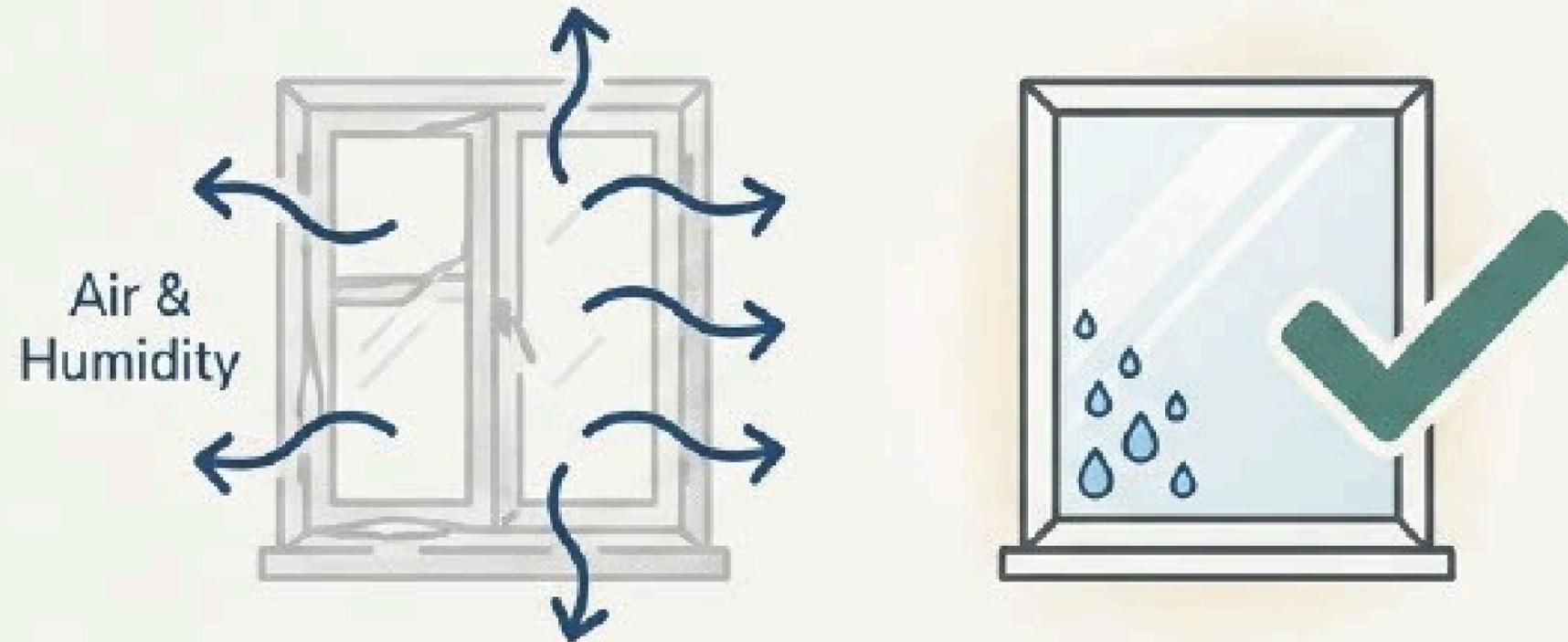
I just spent thousands on new windows. Why are they covered in moisture?

Seeing condensation on your new windows can be alarming. You might be wondering if they're defective or installed incorrectly.

Window Universe
The Future of Replacement Windows



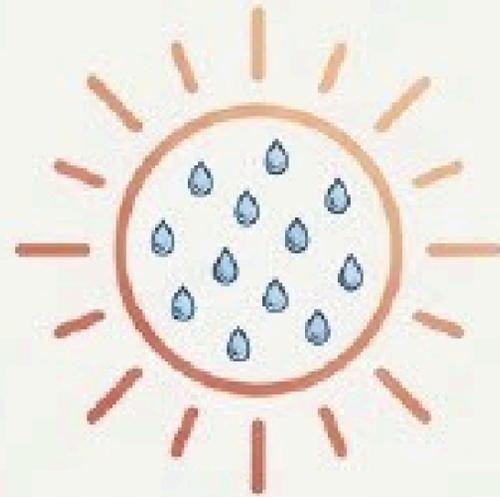
Surprisingly, that moisture is a sign your new windows are working perfectly.



Think of it like a cold glass of water on a hot day. The glass isn't leaking—it's just that warm, moist air is hitting a cold surface.

Your new windows are so energy-efficient they create a strong thermal barrier. That condensation is proof that they're keeping the cold out and the heat in.

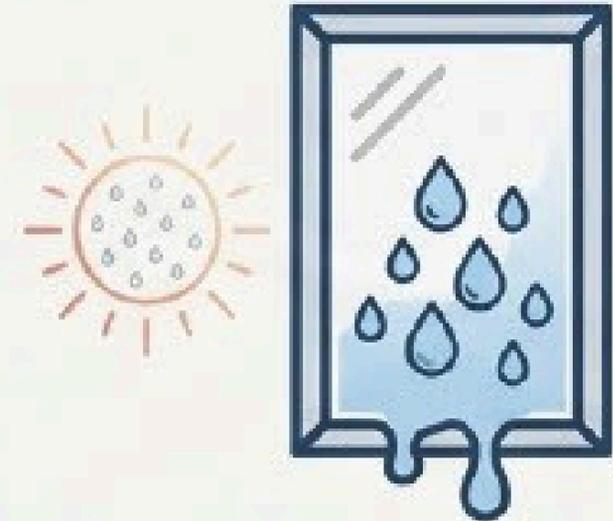
What exactly is condensation?



Warm, moist indoor air
holds water vapor



Air cools as it touches
the cold glass



Cooler air can't hold as
much moisture, so it
releases it as condensation

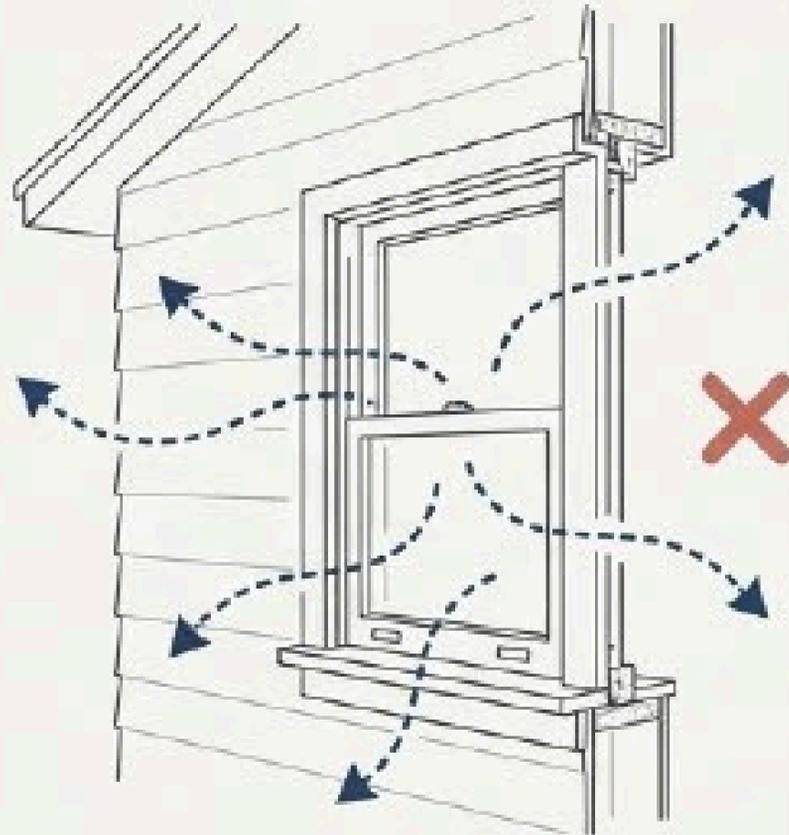
Humidity: The amount of water vapor in the air.

Dew Point: The temperature at which that water vapor turns back into liquid water.

When your window's surface temperature is below the indoor air's dew point, you get condensation.

The #1 Myth: “My old, drafty windows were better.”

Old, Leaky Windows



New, Airtight Windows



The Truth: Your old windows were so leaky they acted as unintentional vents, constantly letting humid indoor air escape.

Your new windows are designed to be airtight for maximum energy efficiency. They trap that moisture inside your home, which is why you see it on the glass.

The Bottom Line: You didn't have a window problem before—you had an *unseen ventilation and energy loss* problem.

Is it harmless condensation or a real window problem?

Normal Interior Condensation



Defective Seal Failure



There are two types of window moisture, and they mean very different things.

Knowing the difference is your first step to solving the issue.

The Simple 'Wipe Test' Will Tell You Everything.

"You can wipe it away"



Normal Condensation. A sign of excess indoor humidity.

"You CAN'T wipe it away"



Seal Failure. The insulated gas has escaped. This is a warranty issue.

So, where is all this moisture coming from?



Cooking three meals a day can add 4-5 pints of water to the air.



Each shower adds about a half-pint of moisture.



A family of four adds a half-pint of water per hour just by breathing.



Laundry and cleaning activities generate significant vapor.



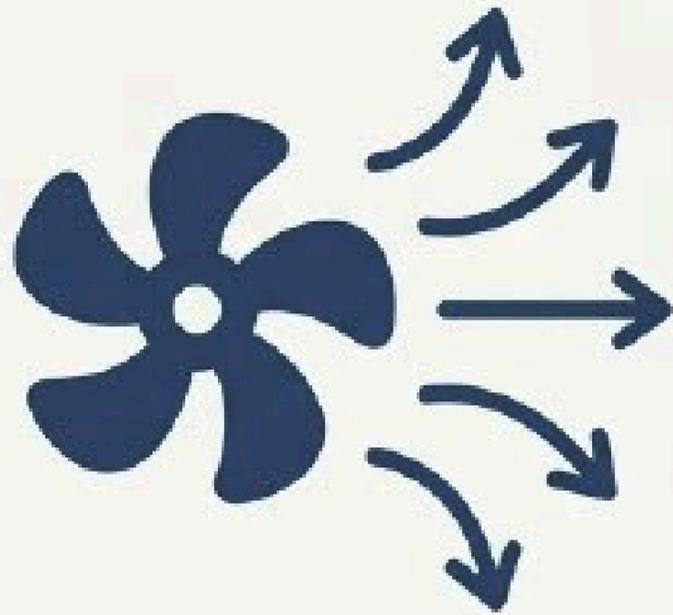
Houseplants release moisture into the air.

Finding Your Home's Winter Humidity "Sweet Spot"

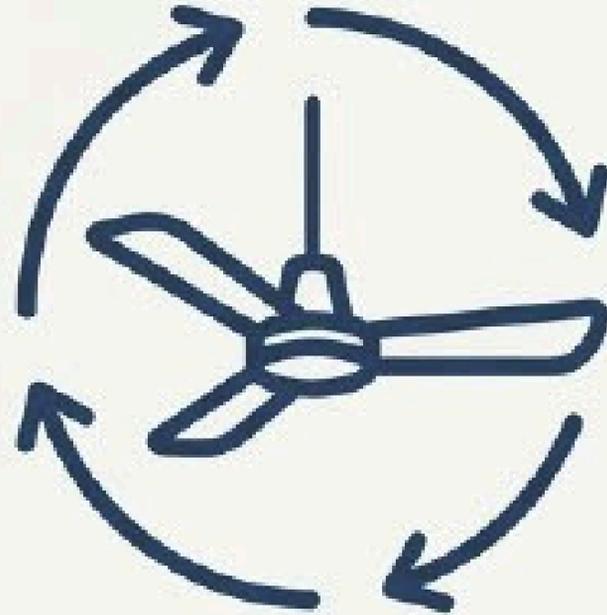
Recommended Indoor Humidity for a 70°F Home	
If Outside Temperature is...	Aim for Indoor Humidity Below...
20° to 40°F	40%
0° to 20°F	30-35%
-10° to 0°F	25%
-20° to -10°F	20%
Below -20°F	15%

A hygrometer (available at any hardware store) or a smart thermostat can help you track your home's humidity level. The goal is to keep it within the ideal range for the current outdoor temperature.

Your 3-Step Plan for a Condensation-Free Winter



1. VENTILATE



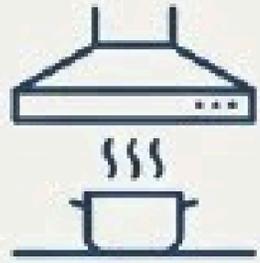
2. CIRCULATE



3. MONITOR

Controlling window condensation is about managing the air inside your home. Here's how you can take control.

Step 1: Ventilate - Move Moist Air Out



- Use your kitchen exhaust fan whenever you cook—and for 15 minutes after.



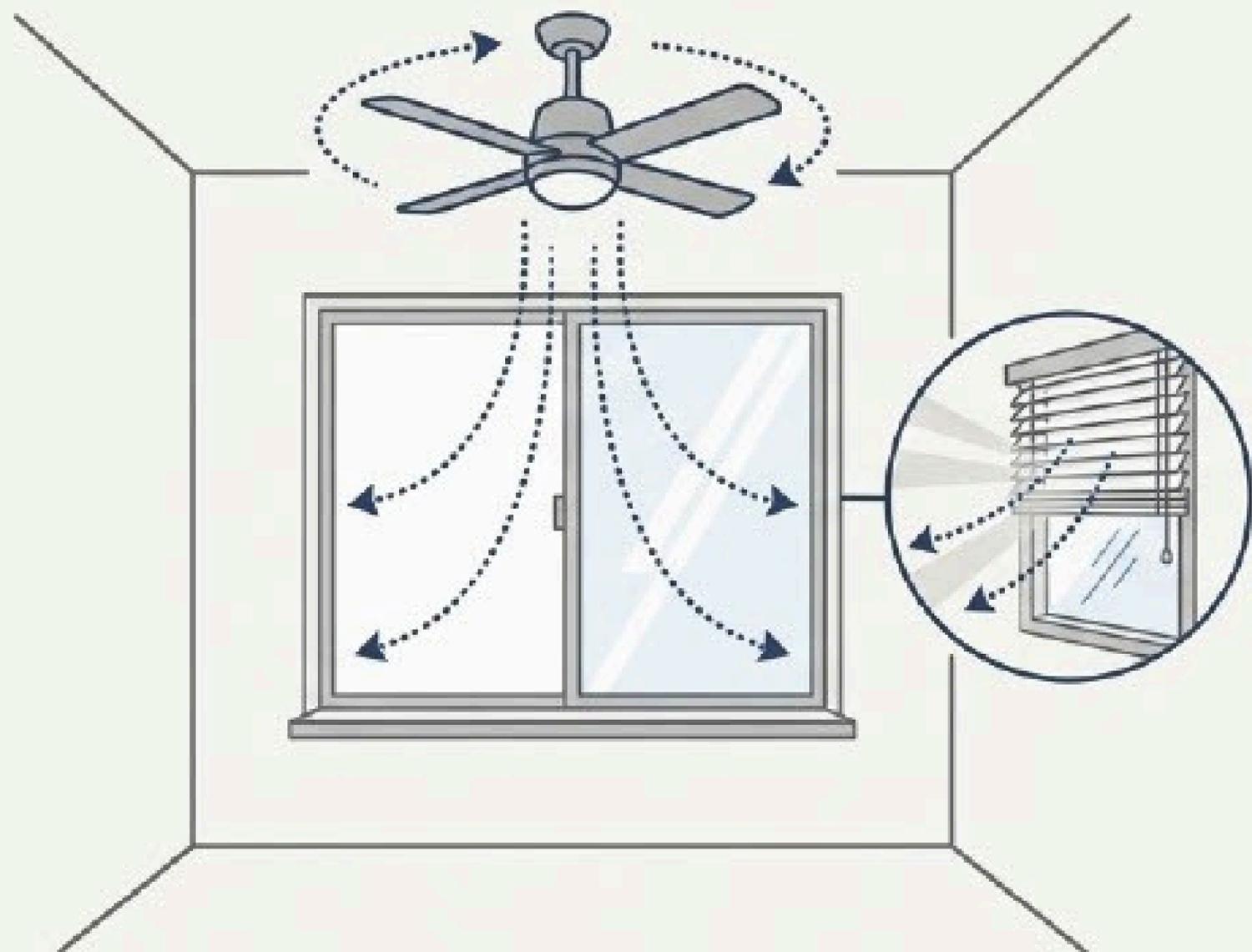
- Run your bathroom fan during every shower and until the mirror is clear.



- Ensure your clothes dryer is properly vented to the outdoors.

Key Tip: Make sure your fans vent *outside*, not into the attic or crawlspace.

Step 2: Circulate - Keep Air Moving



- **Open your blinds and curtains** during the day. Heavy drapes can trap moist air against the cold glass, making condensation worse.
- **Use ceiling fans** on their winter (clockwise) setting to gently push warm air down and across windows.
- **Avoid blocking windows** with furniture to ensure air can flow freely.

Step 3: Monitor - Know Your Numbers



- **Invest in a hygrometer.** This simple device gives you an accurate reading of your home's relative humidity (RH).
- **Adjust as needed.** If you see condensation forming, your humidity is too high for the current outdoor temperature. Lower it by following steps 1 and 2.
- **Pro-Tip:** The EPA recommends keeping indoor humidity between 30-50% year-round for comfort and health. Aim for the lower end of that range during cold snaps.

What About Moisture on the Outside of the Window?

- This is just **morning dew**, and it's another sign your windows are excellent insulators!
- It means the outer pane of glass is staying cold because your window is preventing your home's heat from escaping. It's completely **harmless** and **will disappear** as the sun warms the glass.

Your New Mindset: Condensation is a Dashboard, Not a Defect.



Indoor Humidity

- Your new windows are doing their job: they've made your home airtight and energy-efficient.
- Interior condensation is simply a signal that your indoor humidity is too high for the weather outside.
- You are in control. By managing humidity, you protect your windows, your home, and your comfort.



Enjoy the View From Your High-Performance Windows.

Clear windows are a sign of a healthy, balanced home environment. You now have the knowledge to create it.

Window Universe
The Future of Replacement Windows