










# GLOBAL WARMING IS HAPPENING

## FACT

## MYTH

## FALLACY

<p>Our planet has continued to build up heat since 1998 - global warming is still happening.</p>	<p>"Global warming stopped in 1998."</p>	 <p><b>Cherry picking:</b> looking at one region or a short period ignores the full picture.</p>
<p>Global warming is like rigging the weather dice, making it more likely to get hot days.</p>	<p>"It's cold outside, so global warming must have stopped."</p>	 <p><b>Impossible Expectations:</b> global warming doesn't mean no more cold weather, just fewer cold days compared to hot days.</p>
<p>Overall, glaciers across the globe are shrinking at an accelerating rate, threatening water supplies for millions of people.</p>	<p>"Glaciers around the world are increasing, disproving global warming."</p>	 <p><b>Cherry picking:</b> picking a handful of growing glaciers ignores the vast majority of glaciers that are shrinking.</p>
<p>Greenland on the whole is losing ice, at a rate of over 2 Mount Everests worth of ice every year</p>	<p>"Greenland Ice sheet is thickening in the middle so it must be gaining mass."</p>	 <p><b>Cherry picking:</b> looking at the whole ice sheet shows it's thickening in the middle but ice loss at the edges is accelerating.</p>
<p>The West Antarctic ice sheet is losing hundreds of billions of tonnes of ice every year, making it a major contributor to global sea level rise.</p>	<p>"Antarctic sea ice is on the increase and casts doubt on global warming."</p>	 <p><b>Over simplification:</b> A number of factors may contribute to the increase in sea ice - but in no way does it change the fact that climate change is happening.</p>
<p>We can measure temperature in many ways and they all say the same thing - our planet is warming.</p>	<p>"The thermometer record is unreliable."</p>	 <p><b>Jumping to conclusions:</b> just because measurements have uncertainty doesn't mean it's unknowable. The uncertainty is smaller than measured global warming.</p>
<p>Urban heat has had minimal effect on the climate record, with much warming happening where there is little urban development.</p>	<p>"Urban development is responsible for much of global warming over the last century."</p>	 <p><b>Jumping to conclusions:</b> just because urban heat might affect the climate record doesn't mean it does. Scientists have confirmed it has negligible effect.</p>
<p>Slowing jet stream is causing Arctic cold air to leak down into Europe and North America, like an open fridge leaking cold air into the kitchen</p>	<p>"Record cold winters disprove global warming."</p>	 <p><b>Jumping to conclusions, cherry picking:</b> a cold winter doesn't disprove global warming, you need to look at the big picture.</p>
<p>Climate change and global warming have both been used for decades.</p>	<p>"They changed name from 'global warming' to 'climate change'."</p>	 <p><b>Misrepresentation:</b> they didn't change the name.</p>