## THE MYTH OF CIRCULARITY

As the plastic waste crisis grows, industry executives point to a 'circular' economy—where plastic waste is continuously recycled into new objects—as the solution. But environmentalists aren't buying it. Circularity, they say, is a myth: Although the production of bioplastics is increasing, 99% of today's plastics come from fossil fuels. Only a tiny fraction of these synthetic plastics have ever been recycled, in large part because of how energy-intensive, expensive, and polluting the process can be. Even when glass or paper can be used for packaging instead, companies rarely switch because cheap plastic means bigger profits. New technologies like chemical (or molecular) recycling are failing to offer a viable alternative. The circular economy, as far as plastics are concerned, remains a distant dream.





## The Recycling Symbol—What does it really mean?

These symbols appear on virtually all plastic products, but do we really know what they mean? The numbers represent a Resin Identification Code—or RIC—classifying the type of plastic polymer. But RICs don't actually represent recyclability. In 2013, ASTM International, a standards organization based in the US, replaced the arrows with solid triangles to remove the confusion about the products' recyclability. But plastic producers, to maintain the illusion of recyclability, continue to use the symbols with arrows.