

OIL AND WATER

Oil and water don't mix because they have different properties. Water is a polar substance, which means that its molecules have a positive charge at one end and a negative charge at the other. This allows water molecules to stick together, forming a liquid that we can easily pour.



On the other hand, oil is non-polar, which means that its molecules have a neutral charge. Because of this, oil molecules do not stick together like water molecules do. Instead, oil floats on the surface of water.

When you try to mix oil and water, the oil will always float on top because it is less dense than water. The oil molecules will spread out on the surface of the water and form a separate layer. This is why you often see oil spills floating on the surface of the ocean or other bodies of water.

Understanding why oil and water don't mix is important for solving environmental problems, such as oil spills, and for developing new technologies that can be used to clean up oil spills.



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