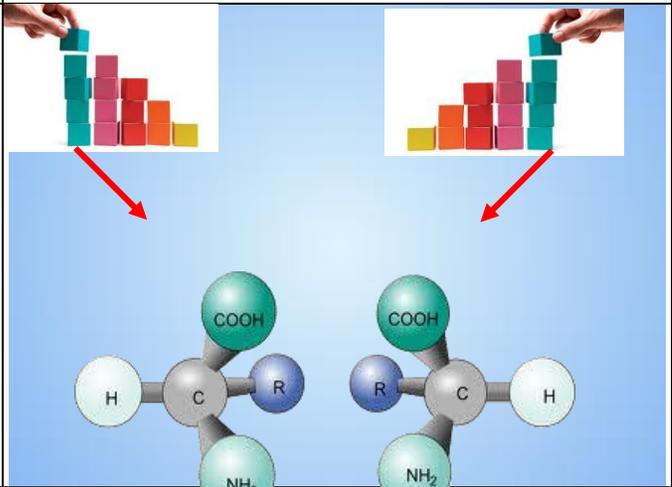


# Chemical Co.

2012 Innovation Center

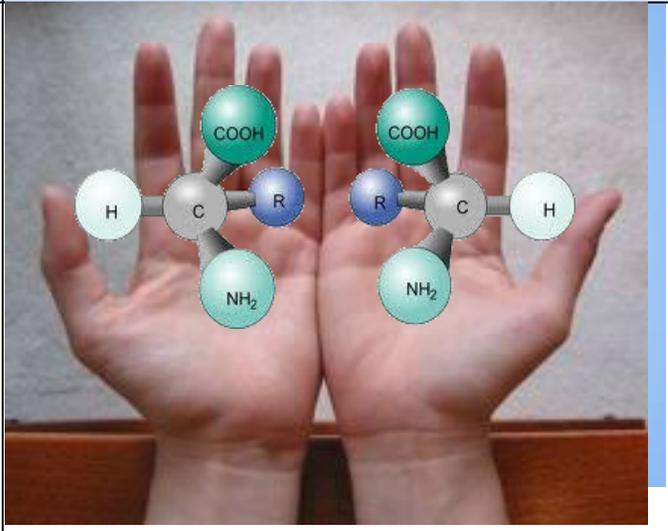
SCRIPT: SURFACE TABLE—Chiral Chemistry\_Script V3

Event	Image	Copy	Notes
1.	 <p><b>Hands down,</b> One of the biggest mysteries in chemistry  is the nature of chirality</p>	<p><b>Hands down,</b> one of the biggest mysteries in chemistry is the nature of chirality</p>	<p>Google search</p>
2.		<p><b>In chiral chemistry</b> two "mirror image" molecules can be built with identical types and numbers of atoms  <b>but still be quite different.</b></p>	<p>(molecules assembling) Wikipedia "chirality" GS generic amino acids <a href="http://www.math.kit.edu/iag1/%7Eheumann/en&amp;docid=o5CR4ThNvbG2jM&amp;imgurl=http://www.math.kit.edu/iag1/%7Eheumann/media/molecule.png">http://www.math.kit.edu/iag1/%7Eheumann/en&amp;docid=o5CR4ThNvbG2jM&amp;imgurl=http://www.math.kit.edu/iag1/%7Eheumann/media/molecule.png</a></p>

# Chemical Co.

2012 Innovation Center

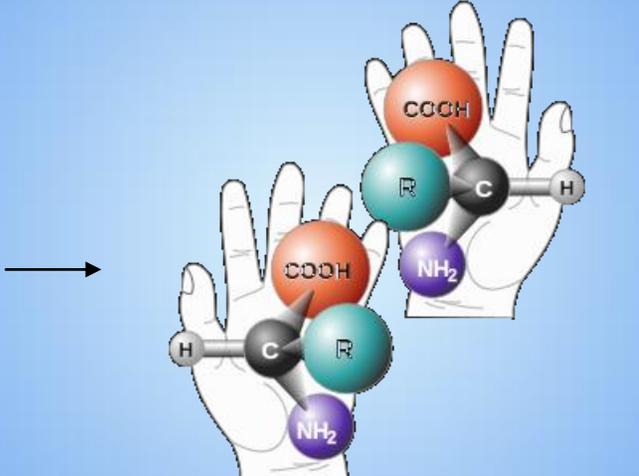
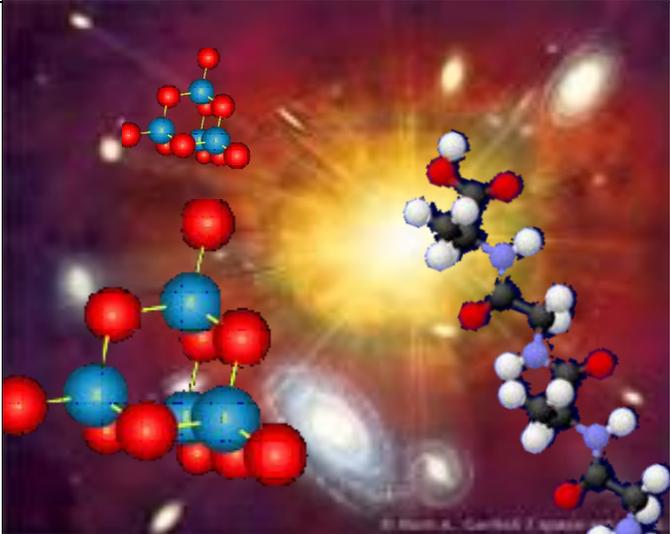
SCRIPT: SURFACE TABLE –Chiral Chemistry\_Script V3

Event	Image	Copy	Notes
3.		<p>In chemistry, like in life, it's a question of being</p> <ul style="list-style-type: none"><li>&lt; left-handed or</li><li>&lt; right-handed.</li></ul>	
4.		<p>You can't substitute</p> <ul style="list-style-type: none"><li>&lt; a left hand for a right hand</li><li>&lt; or a right hand for a left hand,</li><li>&lt; no matter how you try.</li></ul>	Hands in various positions on wrists

# Chemical Co.

2012 Innovation Center

SCRIPT: SURFACE TABLE—Chiral Chemistry\_Script V3

Event	Image	Copy	Notes
5.	 An illustration showing two white hands holding two mirror-image chiral molecules. Each molecule has a central carbon atom (grey) bonded to a hydrogen atom (white), an amino group (purple NH2), a red sphere labeled 'R', and a red sphere labeled 'COOH'. An arrow points from the left hand towards the right hand, indicating the relationship between the two enantiomers.	<p>You can't superimposed chiral molecules either.</p> <p>So they may behave quite differently, even though everything else about them is identical.</p> <p>But that's NOT the mysterious part.</p>	
6.	 A space-themed illustration featuring several molecular models. On the left, a cluster of red and blue spheres is shown. In the center, a bright yellow star or galaxy core is visible. On the right, a complex organic molecule with black, white, red, and blue spheres is depicted against a dark, starry background.	<p>In over billions of years of making molecules ...</p>	

# Chemical Co.

2012 Innovation Center

SCRIPT: SURFACE TABLE—Chiral Chemistry\_Script V3

Event	Image	Copy	Notes
7.		<p>Nature seems to prefer and select "one hand" over another.</p> <p>Curiously, that "other hand" dies or fades out. It's an either/or situation and nobody is quite sure why this is.</p>	Hands with molecules
8.		<p>For the last 50 years, unlocking that mystery has become one of our most promising and useful tools.</p>	

# Chemical Co.

2012 Innovation Center

SCRIPT: SURFACE TABLE—Chiral Chemistry\_Script V3

Event	Image	Copy	Notes
9.		<p>Unlike natural selection</p> <p>BIG CHEM Company produces left and right-handed chiral intermediates at will</p> <p>organic or inorganic</p> <p>by the ounce ... or by the ton.</p>	
10.		<p>Knowing that the small but significant difference in chiral "handedness" can spell big differences in how a chemical acts</p> <p>or reacts ...</p>	

# Chemical Co.

2012 Innovation Center

SCRIPT: SURFACE TABLE—Chiral Chemistry\_Script V3

Event	Image	Copy	Notes
11.		<p>helps us engineer stronger, more durable adhesives</p>	<p>HARD CUTS</p>
12.		<p>Exotic new flavors and fragrances</p>	<p>POURING MOTION</p>

# Chemical Co.

2012 Innovation Center

SCRIPT: SURFACE TABLE –Chiral Chemistry\_Script V3

Event	Image	Copy	Notes
13.		<p>And safer, more effective drugs with better reaction times or fewer side-effects.</p> <p>There's really no telling how BIG this can be.</p>	
14.		<p>And it's no mystery why so many industries rely on us to create innovative solutions from the amazing, ambidextrous world of chiral chemistry.</p> <p>.....</p> <p>&lt;fades&gt;</p>	<p>Gs flavorings, agricultural products, chemistry, fragrances</p> <p>THIS FADES FROM THE TAG</p>