

Student Worksheet: Colloids

Researcher: _____

<p><u>Key Questions</u></p> <p>What are colloids?</p> <p>What do <i>Coll</i> and <i>oid</i> mean?</p> <p>How is milk a colloid? How do the fat molecules stay mixed with the water?</p> <p><u>Fill out the table with examples of each type of colloid.</u></p>	<p>NOTES:</p> <hr/> <hr/> <hr/> <hr/> <hr/> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">Type</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> <th style="text-align: center; border-bottom: 1px solid black;">Example :</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Foam</td> <td style="padding: 5px;">Gas dispersed in a liquid</td> <td style="padding: 5px;">_____</td> </tr> <tr> <td style="padding: 5px;">Solid Foam</td> <td style="padding: 5px;">Gas dispersed in a solid</td> <td style="padding: 5px;">_____</td> </tr> <tr> <td style="padding: 5px;">Sol/Gel</td> <td style="padding: 5px;">Solid dispersed in a liquid</td> <td style="padding: 5px;">_____</td> </tr> <tr> <td style="padding: 5px;">Emulsion</td> <td style="padding: 5px;">Liquid dispersed in a liquid</td> <td style="padding: 5px;">_____</td> </tr> </tbody> </table>	Type	Description	Example :	Foam	Gas dispersed in a liquid	_____	Solid Foam	Gas dispersed in a solid	_____	Sol/Gel	Solid dispersed in a liquid	_____	Emulsion	Liquid dispersed in a liquid	_____
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Why is ice cream the colloid champ?



Read the second source on why the colors dispersed in milk (a colloid). In the space below, draw a model of what you think is happening at the molecular level in milk when soap is added and all the motion begins.



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