Emulsions

Oil and water are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. However, they can be made to \_\_\_\_\_\_\_\_\_ by stirring or \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and this forms an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Emulsions are less \_\_\_\_\_\_\_\_\_\_\_ than the oil and more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ than the aqueous solution. Oil-in-water emulsions contain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of oil suspended in an aqueous solution.

SHAKE WITH NO EMULSIFIER

SETTLE

Many emulsions are unstable and separate back to \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_. Emulsifiers help oil and water mix by stopping the oil droplets joining together to form a separate oil layer again.

OIL DROPLET IN WATER

This is an EMULSIFIER

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