

Sink or Float: Density of Liquids

Key Concepts:

- Since density is a characteristic property of a substance, each liquid has its own _____.
- The _____ of a liquid determines whether it will _____ or _____ in another liquid.
- A liquid will float if it is _____ than the liquid it is placed in.
- A liquid will sink if it is _____ than the liquid it is placed in.

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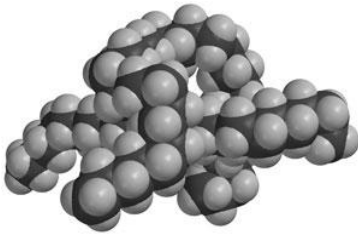
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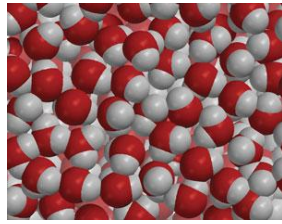
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Sink or Float: Density of Liquids Processing:

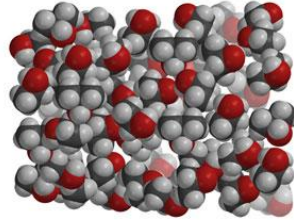
The pictures below are of the liquids used in the lab at a molecular level.



Oil



Water



Rubbing Alcohol

Describe, on a molecular level, why the oil was less dense compared to the water?

Describe, on a molecular level, why the water was the densest liquid out the three used in the lab?

Describe, on a molecular level, why rubbing alcohol was the least dense liquid used in the lab?