

What makes something pure?

Worksheet

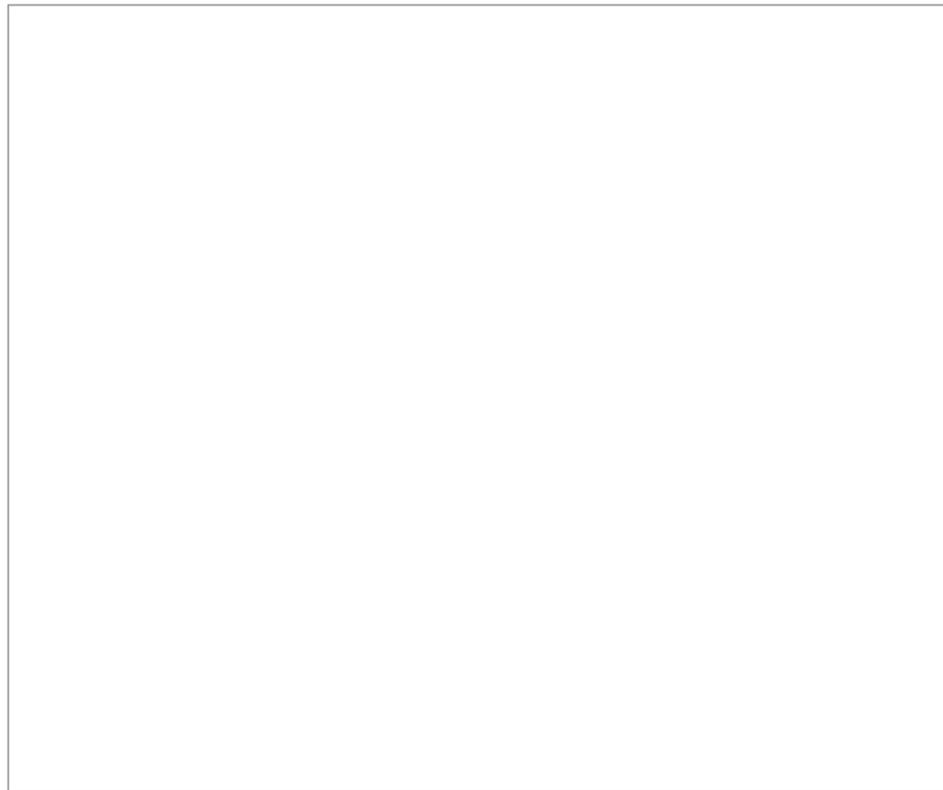
Science

Miss Couves

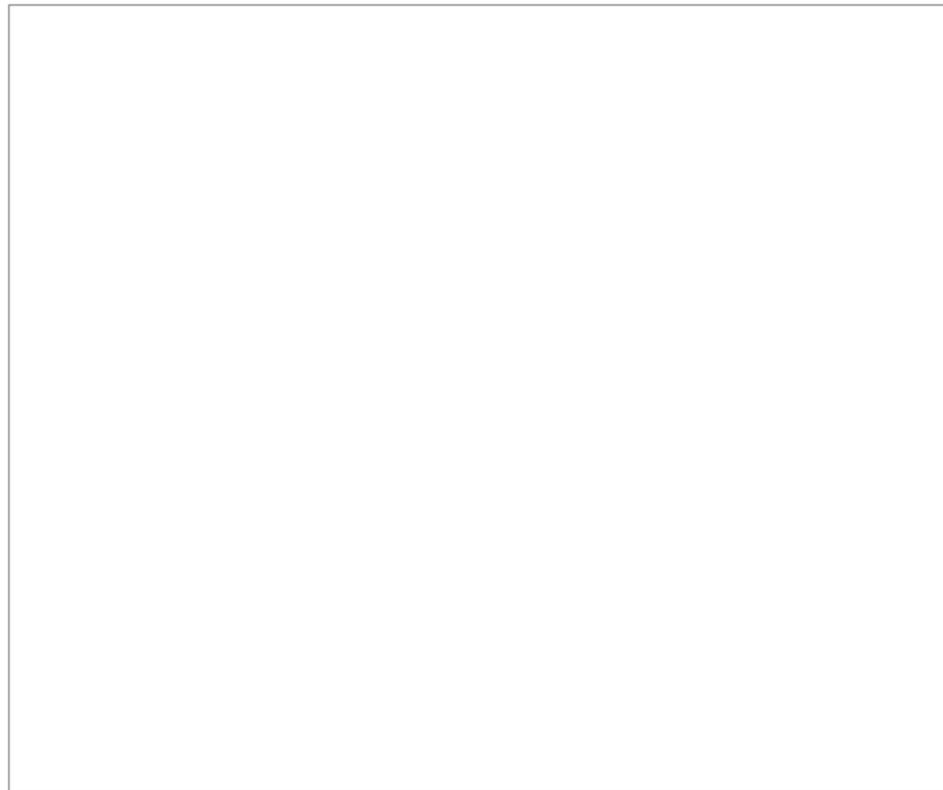


What do the particles look like in ice, water and steam?

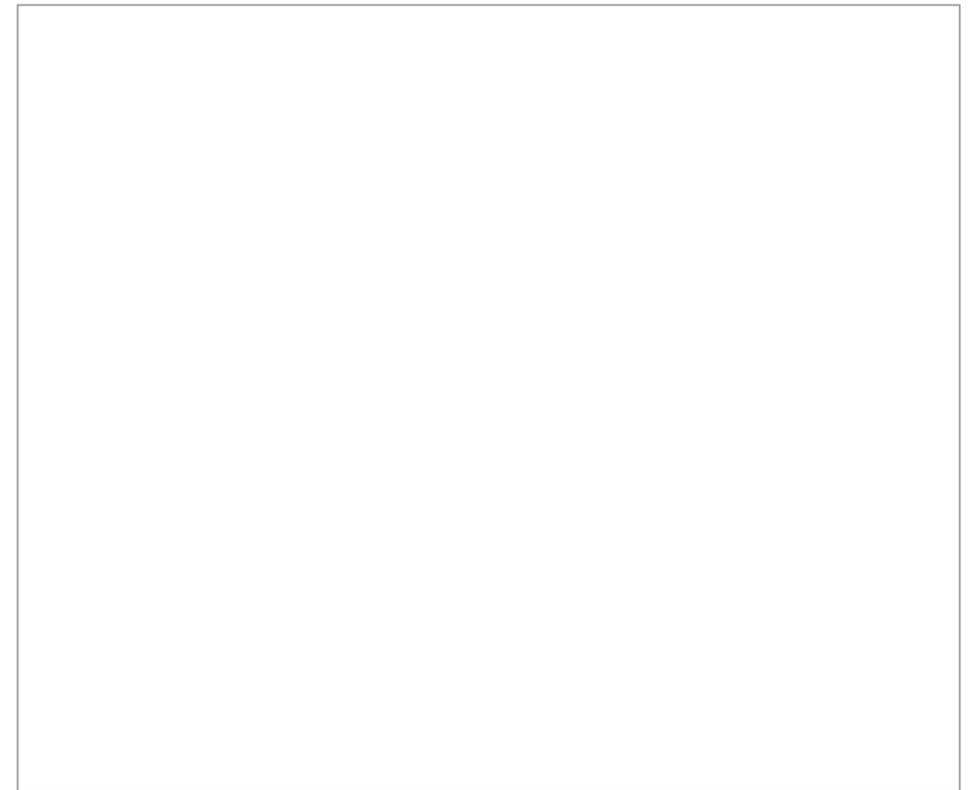
Ice



Water



Steam



What do the particles in wood look like?

Questions to ask:

- Is the substance a solid, a liquid or a gas?
- Should the particles touch?
- Should the particles be ordered?
- Should the particles be moving fast?



What do the particles in oil look like?

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What do the particles in helium look like?

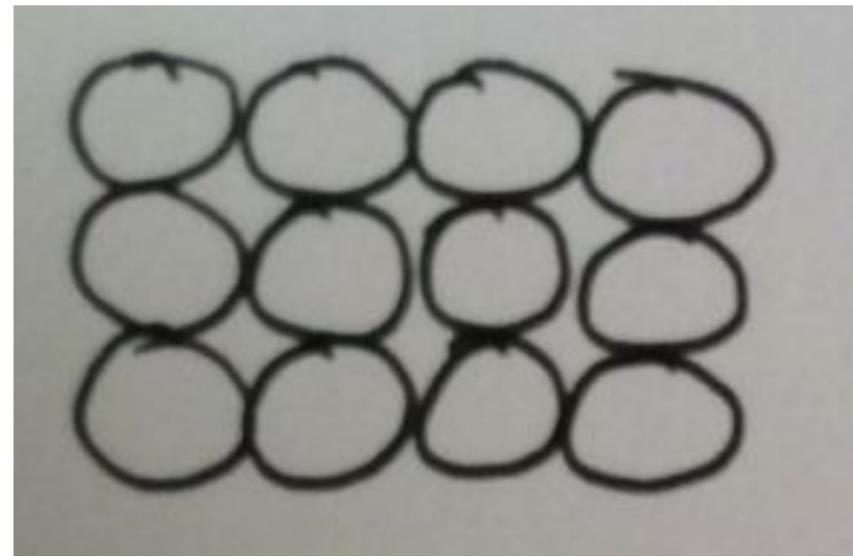
Questions to ask:

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- Should the particles be ordered?
- Should the particles be moving fast?

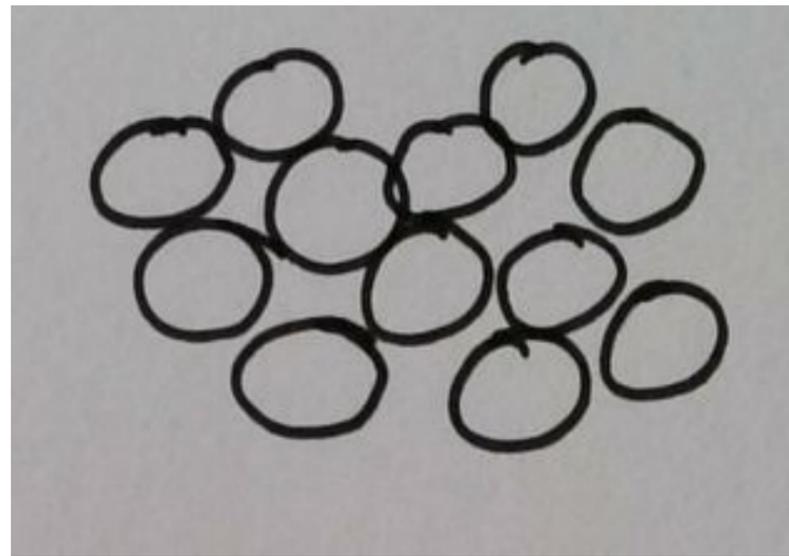


Annotate the diagrams with how do the particles behave in solids, liquids and gases?

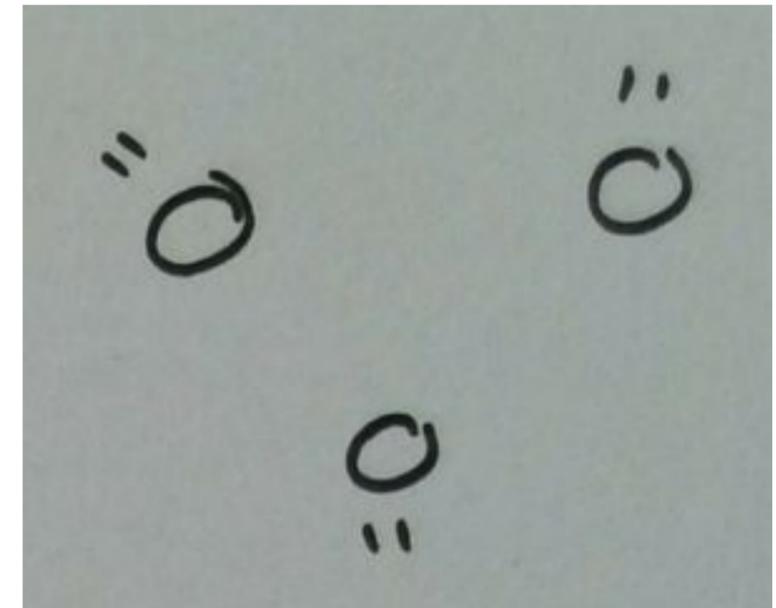
Solids



Liquids



Gases



How do the particles in oil behave?

Option 1

They are touching and vibrating on the spot.

Option 3

They are not touching and move very quickly in all directions.

Option 2

They are touching but can slide past each other.

Option 4

They are touching but not moving at all.



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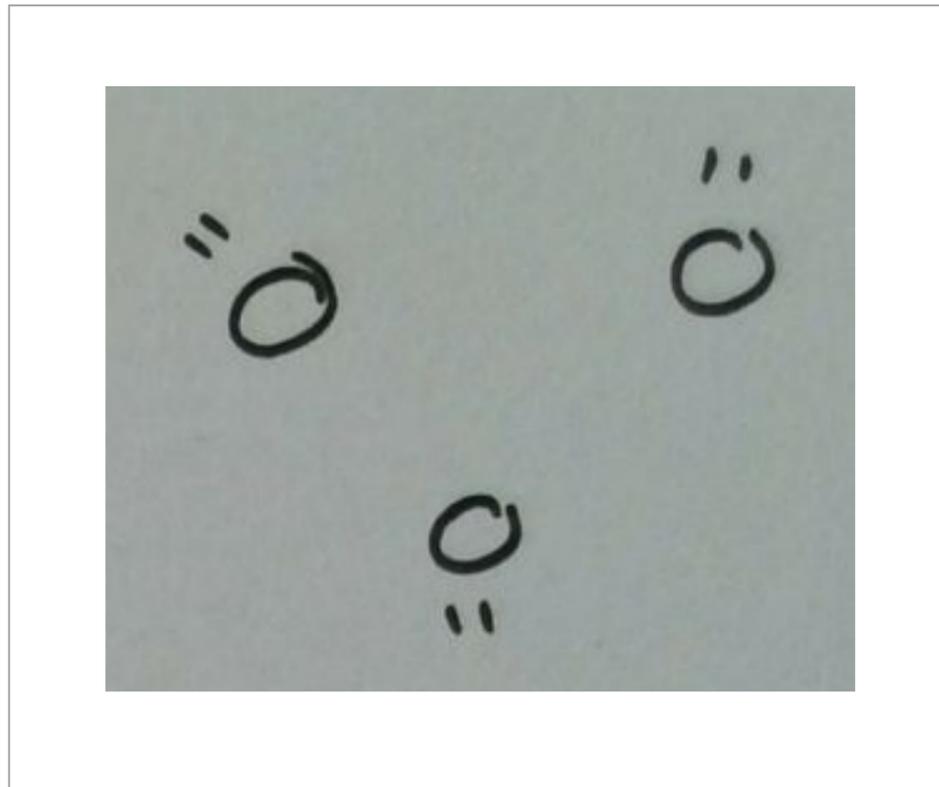
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They are touching but not moving at all.

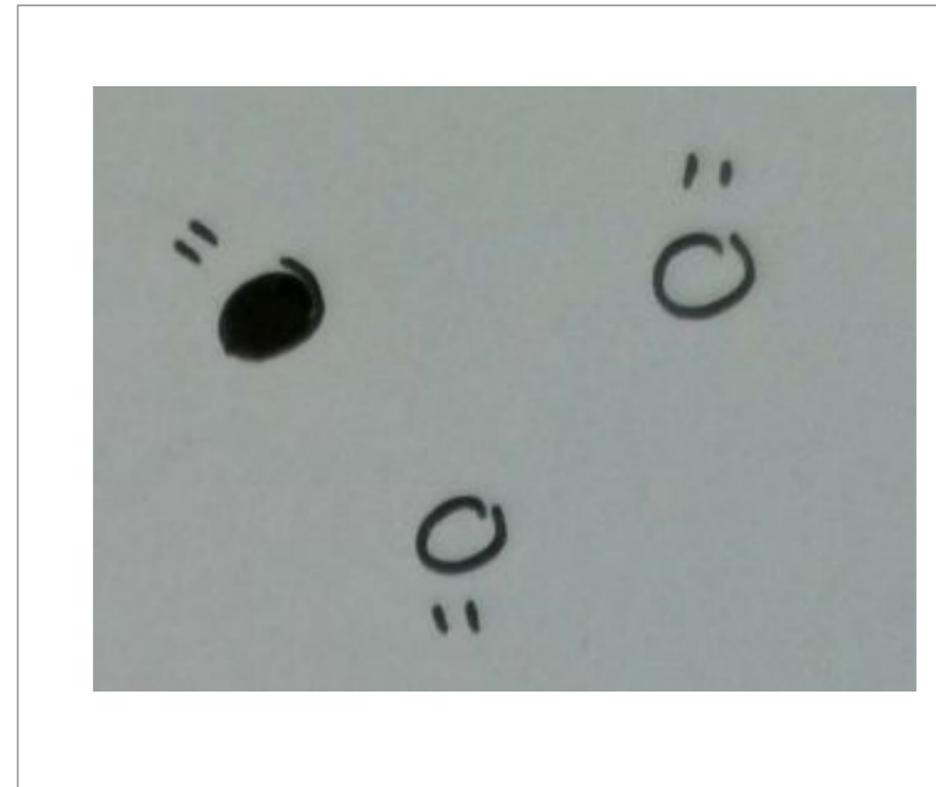


Which substance is pure and which is impure?

Helium

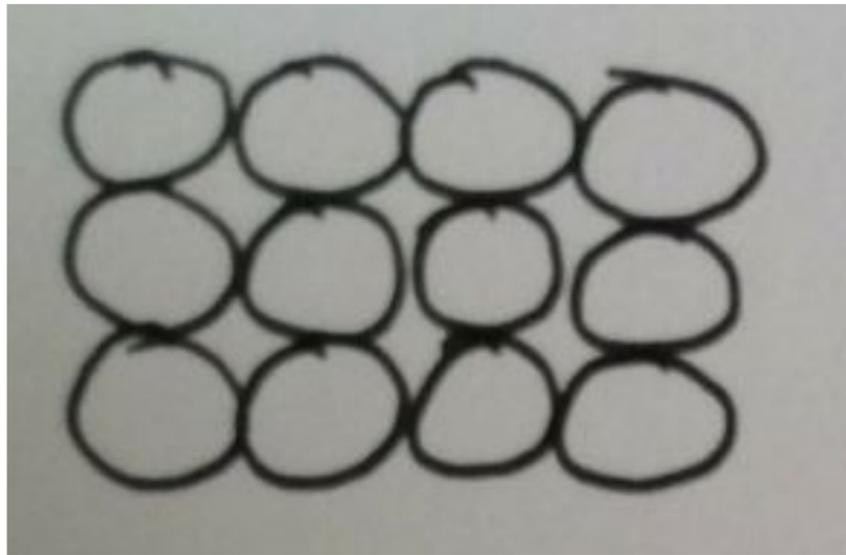


Air



Which substance is pure and which is impure?

Gold



Rose gold

