

Distillation of air

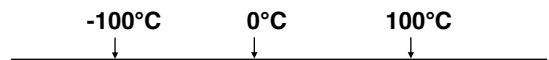
- ❖ Understand that liquids can be separated by distillation according to their boiling points.
- ❖ Describe the separation of oxygen and nitrogen from liquid air by fractional distillation

Find the melting and boiling points for; (in celsius)

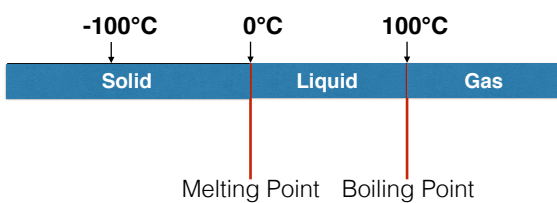
- Water
- Ethanol
- Oxygen
- Carbon dioxide
- Nitrogen
- Argon
- Neon

CHEMICAL	MP	BP
Water		
Ethanol		
Oxygen		
Carbon dioxide		
Nitrogen		
Argon		
Neon		

Temperature number line

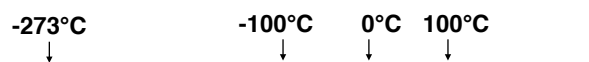


Temperature number line



Temperature number line

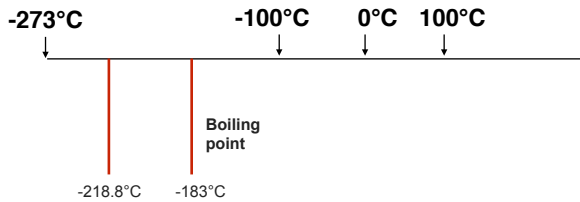
We also add on absolute zero, the coldest temperature anything can be.



We can do this for any substance.

For example oxygen:

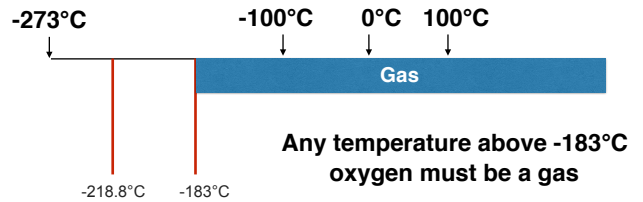
Melting point: -218.8°C
Boiling point: -183°C



We can do this for any substance.

For example oxygen:

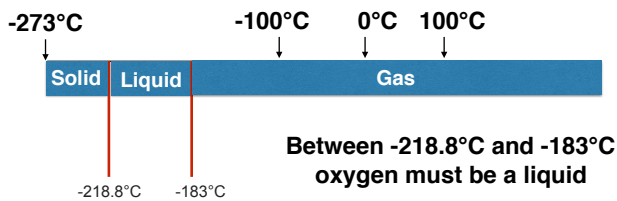
Melting point: -218.8°C
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For example oxygen:

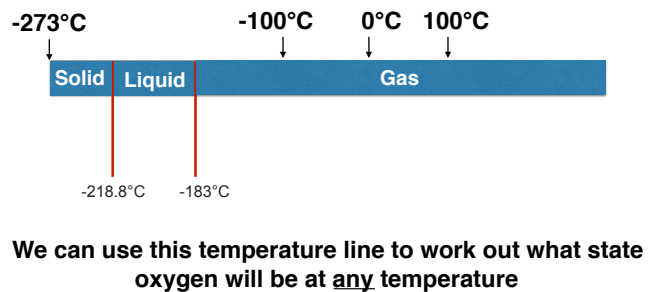
Melting point: -218.8°C
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For example oxygen:

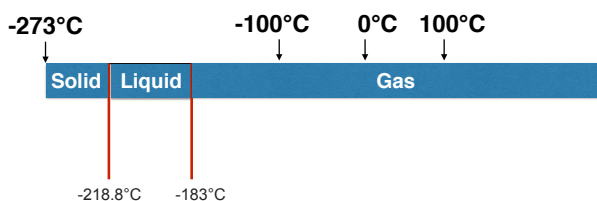
Melting point: -218.8°C
Boiling point: -183°C



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For example oxygen:

Melting point: -218.8°C
Boiling point: -183°C



Fractional distillation of air

