

Chemical Bonds

What are bonds and how do they form?

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- Some elements bond better than others
- 3 types of bonds: **ionic, Covalent, and metallic**

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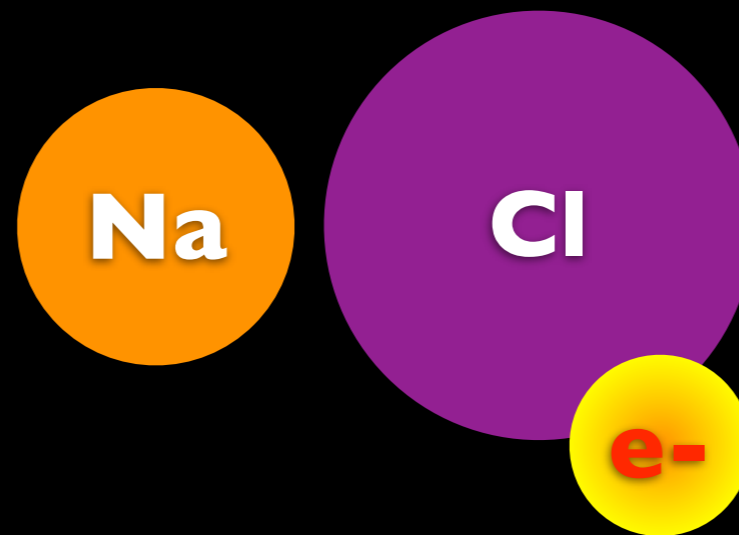
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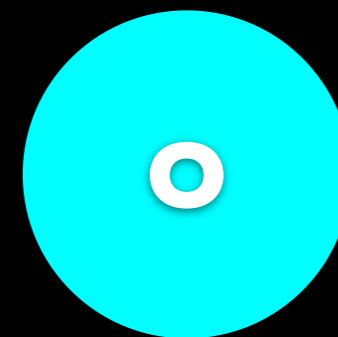
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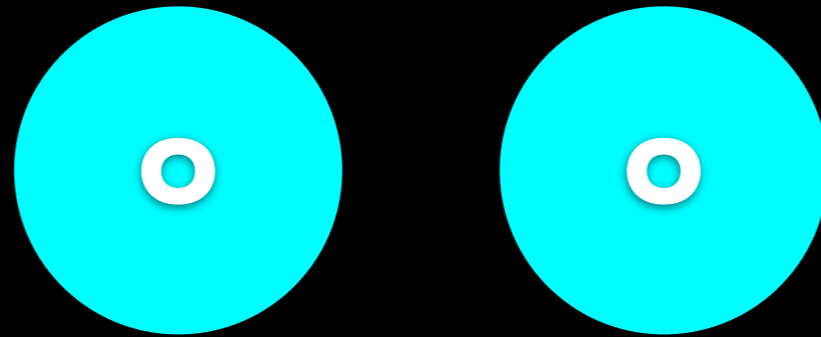
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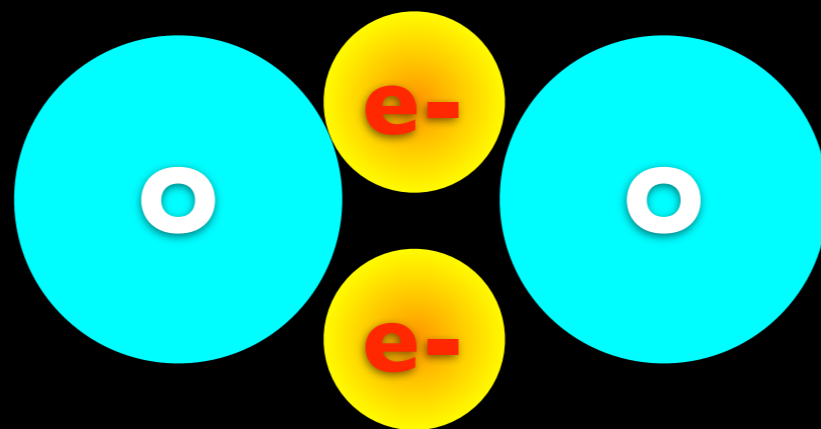
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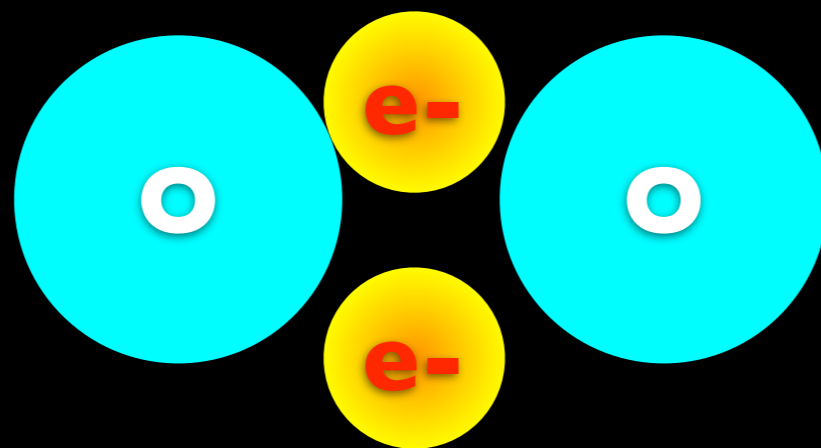
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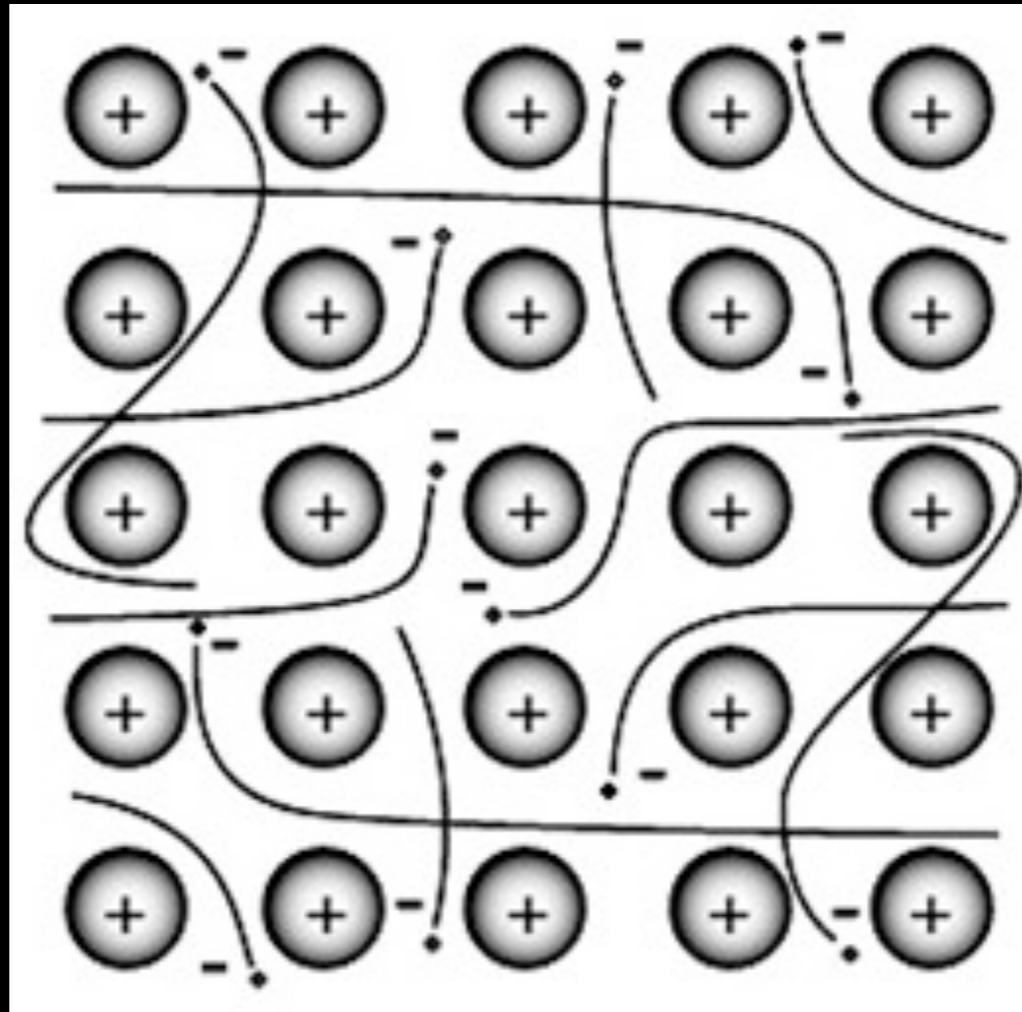
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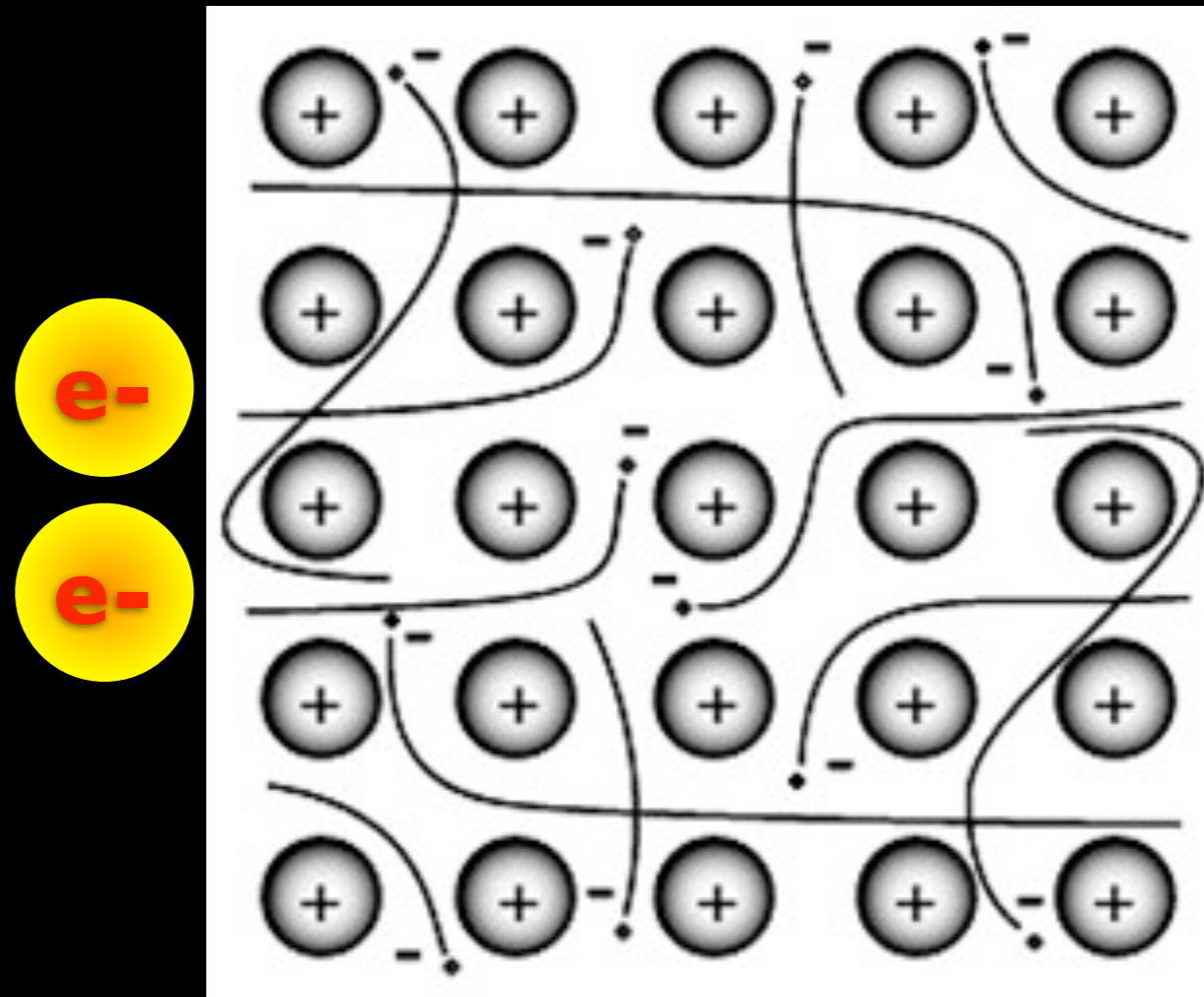
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- Conductive and malleable (bend-able)

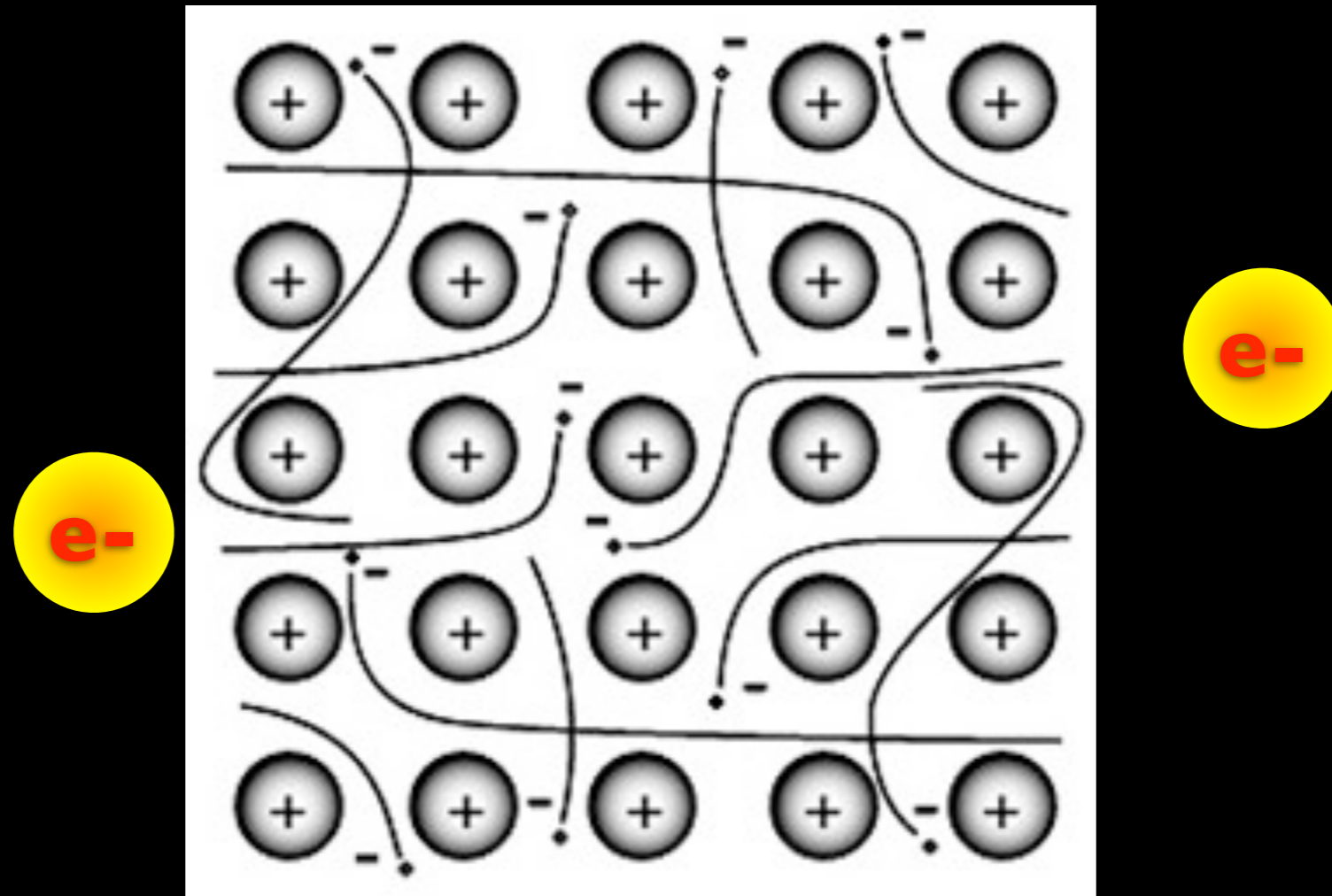
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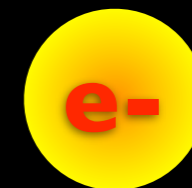
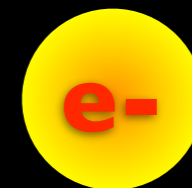
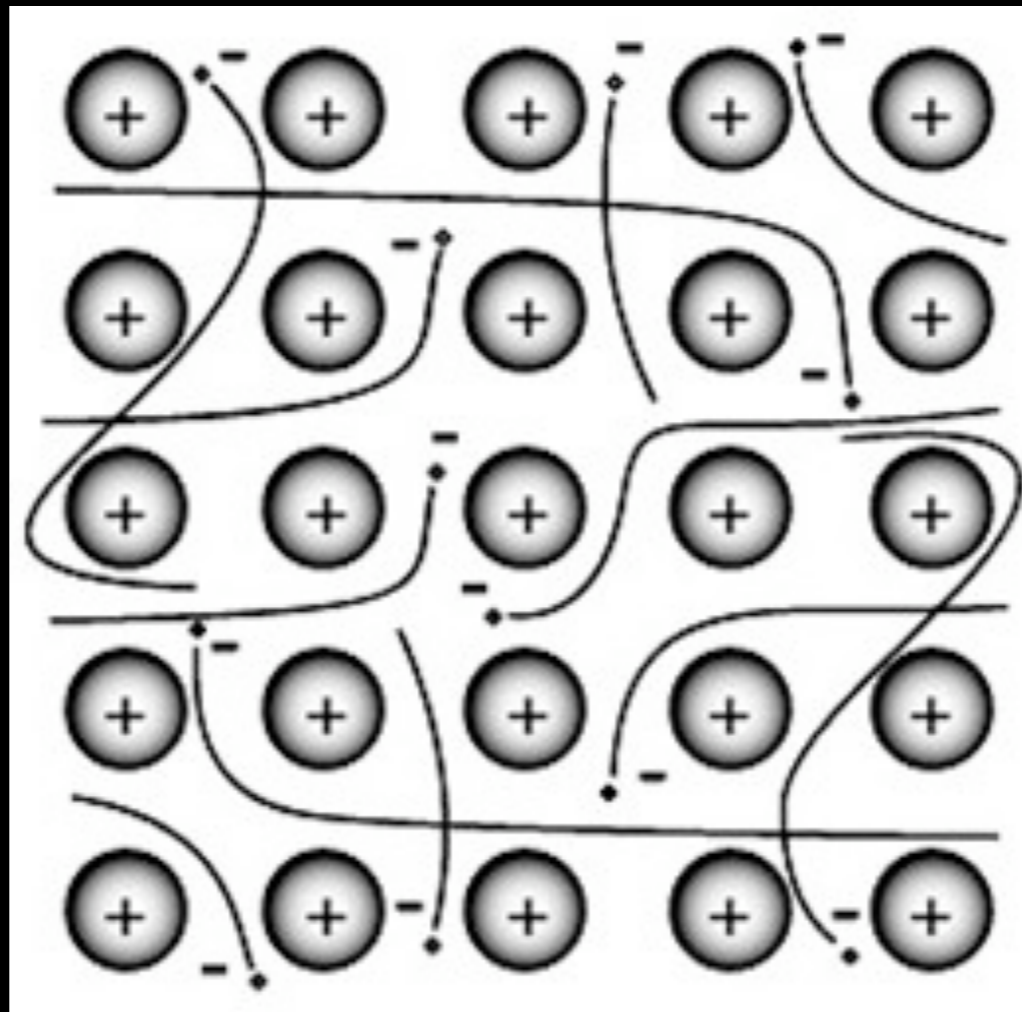
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Animation

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- <http://www.youtube.com/watch?v=QqjcCvzVwww>

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- **Electronegativity** is a measure of the strength (or tendency) an atom has to attract other electrons.
- Scale ranges from .7 (weak) to 4 (strong)
- If the difference in 2 atom's **e-vty** is 1.8+ ionic bonds *usually* form

