

# Do Now: Label the left and right pages Solubility and Magnetism and complete the activity on the left side of your notebook

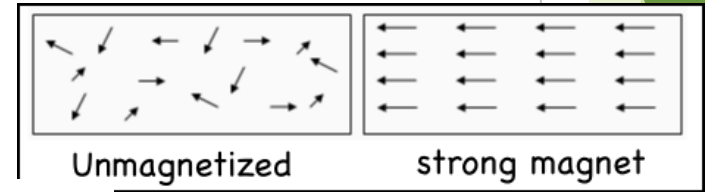
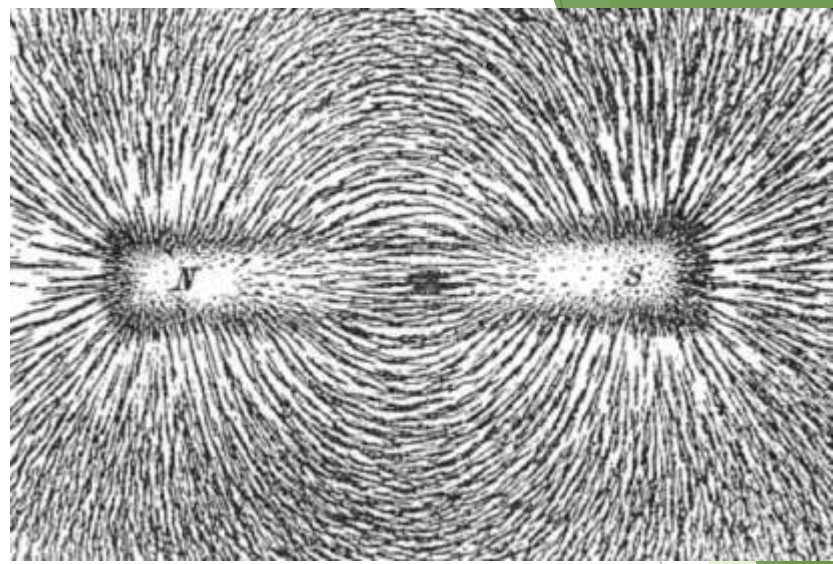
Classify the following items as having either good or poor solubility in water:

- ▶ Salt: Good/Poor
- ▶ Pebbles: Good/Poor
- ▶ Oil: Good/Poor
- ▶ Carbon dioxide: Good/Poor
- ▶ Sand: Good/Poor
- ▶ Grits: Good/Poor
- ▶ Sugar: Good/Poor

Classify the following items as magnetic or not magnetic:

- ▶ Aluminum: Magnetic/Not
- ▶ Iron: Magnetic/Not
- ▶ Plastic: Magnetic/Not
- ▶ Paperclips: Magnetic/Not
- ▶ Lockers: Magnetic/Not
- ▶ Gold: Magnetic/Not
- ▶ Glass: Magnetic/Not

# Solubility and Magnetism



- ▶ SC.8.P.8.4 Classify and compare substances on the basis of characteristic physical properties that can be demonstrated or measured; for example, density, thermal or electrical conductivity, solubility, magnetic properties, melting and boiling points, and know that these properties are independent of the amount of the sample.
- ▶ **KNOW: 7 Properties- Density, Therm Conductivity, Elect. Cond., Boiling Pt, Melting Pt., Magnetism, Solubility. These ↑ are the same no matter how much/little you have.**
- ▶ **DO: Classify and compare substances by ↑. Calculate using  $D=m/V$ . Predict the properties of the same material but different sizes.**

# Solubility

The ability of a substance to be dissolved into another substance.



# Solubility

- ▶ Solute: The substance that is dissolved into the solvent.
- ▶ Solvent: The substance into which the solute is dissolved.
- ▶ Saturation Point: When no more solute can be dissolved into the solvent.  
EX.) the Kool-Aid can't dissolve more sugar, so it settles on the bottom.

## Solubility

- ▶ Quick write -- How does temperature affect solubility? Explain your answer.

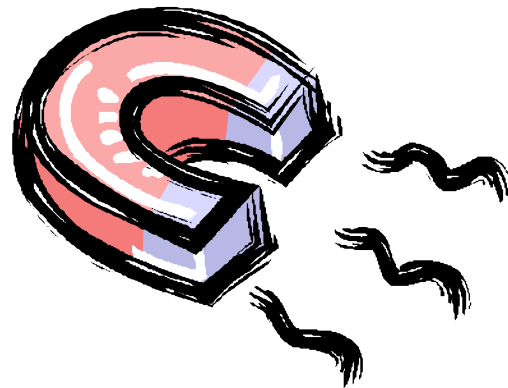
# Revisit your do now, what changes do you need to make?

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# Magnetism

A non-contact force that  
pulls on  
**IRON & NICKEL & COBALT**  
from a distance.





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