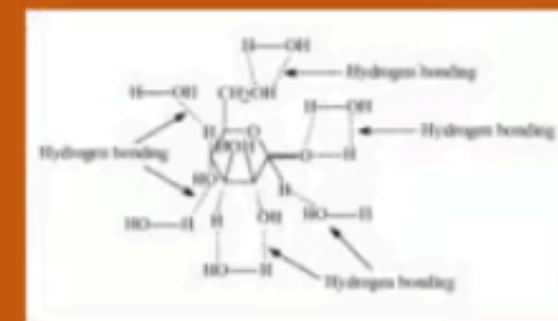
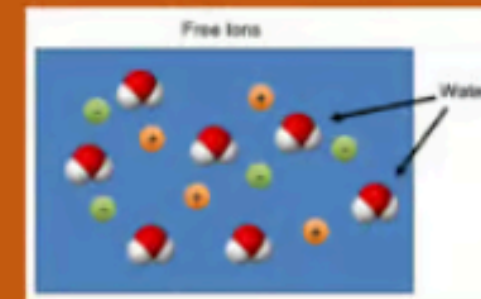
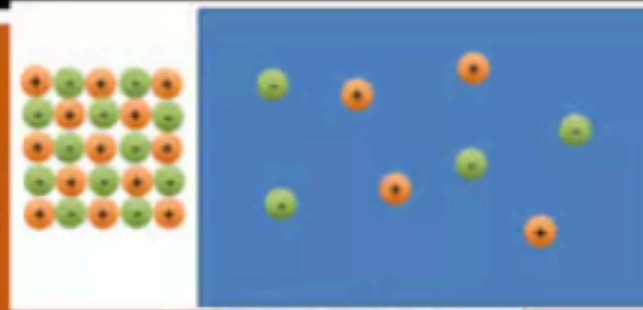


Solutions and Solubility

- Solutions
- Solvents and Solutes
- Dilute vs. Concentrated
- Saturated & Unsaturated
- Supersaturated
- Solubility
- Polar Water
- Ionization
- Electrolytes
- Hydration
- Temperature and Solubility



TWIF

SCROLL
to take a look inside!

This digital presentation includes both Google and Office resources and is Google Classroom Ready

TEACHER BENEFITS

HOW THIS UNIT WILL HELP YOU

- **NO PREP** - Just Download and Teach
- 1-2 Day Lesson with Student Lesson Notes in Word & PDF and 4-Question Auto-Graded Exit Ticket
- Built-in differentiation for various learning styles

Solvents and Solutes

- The solvent is the fluid medium in which all of the solutes are dissolved
- A solvent can be a solid, liquid or a gas but the most common solvent is water (aqueous solutions)
 - It is present in the greatest amount
- Solutes are any substance dissolved in the solvent (solid, liquid or gas)



Videos embedded directly into the slides. One-click access.

SOLUTIONS AND SOLUBILITY LESSON

SOLVES...

- ★ Planning fatigue
- ★ Student engagement slumps
- ★ Differentiation challenges
- ★ The large scope and sequence of chemistry

Solutions and Solubility

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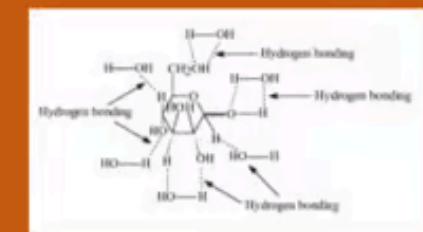
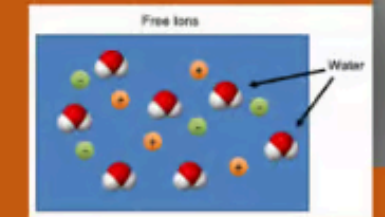
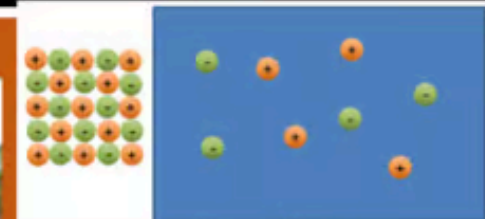
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- ✓ Solutions
- ✓ Solvents and Solutes
 - Dilute vs. Concentrated
- ✓ Saturated & Unsaturated
 - Supersaturated
- ✓ Solubility
- ✓ Polar Water and Ionization
- ✓ Electrolytes and Hydration
- ✓ Temperature and Solubility

Your Lesson

Solutions and Solubility

- Solutions
- Solvents and Solutes
- Dilute vs. Concentrated
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TWF

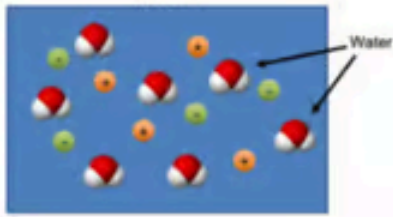
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Lesson

- ✓ Teacher and Student Versions of Your Lesson
- ✓ Fully Editable and includes Office, Google, and PDF Versions
- ✓ Includes an Auto-Graded Exit Ticket via Google Forms

Hydration

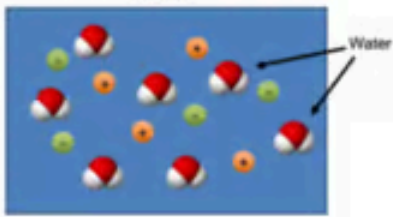
- As the ions enter the solution water molecules that are attached to them surround them
- _____



The diagram shows a blue rectangular area representing a solution. Inside, there are several small spheres representing water molecules, each with a red top half and a white bottom half. Scattered among these water molecules are several small orange spheres representing free ions. Labels with arrows point to one of the orange spheres and one of the water molecules.

Hydration

- As the ions enter the solution water molecules that are attached to them surround them
- This process is called hydration and we say that the ions become hydrated



The diagram shows a blue rectangular area representing a solution. Inside, there are several small spheres representing water molecules, each with a red top half and a white bottom half. Scattered among these water molecules are several small orange spheres representing free ions. Labels with arrows point to one of the orange spheres and one of the water molecules.

Student and Teacher versions of the presentations

Solutions and Solubility - Exit Ticket

* Indicates required question

Solutions and Solubility - Exit Ticket

When ions are surrounded by water molecules, the process is called * 1 point

☐ dilution

☐ hydration

☐ ionization

☐ electrolysis

Back Next Page 2 of 4 Clear form