

Quiz #1-- CORRECTIONS

You have 2 options for the next 30 minutes--

Option 1:

If you scored an A on the quiz, you can complete your 2 Achieve 3000 articles “Give up Oil? Not so fast” and “Schools Teach Green Classes”.

If you would like a POSITIVE phone call home and 2 EXTRA CREDIT points on your QZ #1— you can partner with someone who didn’t do so well on the quiz and help them with their corrections.

Option 2:

If you didn’t get an A on this quiz— DO QUIZ CORRECTIONS! I’m giving up class time to ensure that we all know how to do Stoich, since it’s not going away!



Unit 4: Chemical Reactions

Lesson 1: Light Up My Life

Guiding Question: How can we sort and organize different substances?

Do Now:

Make a prediction:

Will Gatorade conduct electricity? Why or why not?

Lesson 1: Light Up My Life

- **Purpose:**
To collect evidence regarding some of the properties of substances and look for patterns in the results
- **Predictions and Data:**
Predict whether each substance will conduct electricity.
Predict whether each substance will dissolve in water.
Write your predictions in the left side of the table and your results in the right side.

Notes

- Terms for the lab:
- Dissolve: to disperse evenly into another substance. For example, a solid can dissolve in a liquid.
 - Soluble: describes a substance that is capable of being dissolved into another substance
 - Insoluble: describes a substance that is incapable of being dissolved into another substance.
- Conductivity: A property that describes how well a substance transmits electricity.

Directions:

- Your conductivity tester should be assembled at each station. You will use this to test conductivity at each station.
 - **NOTE--** Do not hold the wire together for TOO long or else you will burn out the bulb!
- Leave the tester at each station! Everything you need will be at each station. You just need your workbook.
- Make observations at each station. Is the substance dissolved? Is it conductive? How about the non-dissolved substance?

ANALYSIS AND CLEAN UP

Once you've finished collecting your data:

1. Clean up the stations that you visited.
2. Return to your assigned seat and work on the analysis questions.
3. When you are done, come up with a flow chart that separates substances based on the properties you discovered.

Notes

- Generalizations about substances that do light up the bulb:
 - Metals: don't dissolve but solid conducts electricity
 - Salts: dissolve in water, conducts electricity only when dissolved (have metals in them)
- Generalizations about substances that do not light up the bulb
 - Substances that do dissolve (sugar), or don't dissolve or conduct at all. (made of nonmetals only)

Closure

- Answer guiding question
- Achieve 3000: Give Up Oil? Not So Fast! Due 2/9 at 11:59pm