

- Grab a Whiteboard. Write down the concepts that you would like to see reviewed the most over the next few days.

Reminders

- The final is Friday.
- Mr. Hayden is running a review session Thursday after school.
- You must bring your book **the day of the final.**

Today

Kahoot

- ~~Kohoot~~ quizzes.
- Additional practice problems.
- Return Gasses Quiz.

This Week

- T: Begin Review
- W: Final Lab and Review
- R: Final Review
- F: Take Final...
Victory Dance



Review after school Thursday

Requested Topics

% mass, λ , net ionic

Thermo, ionic compounds

polarity, stoich, trends,

acids & bases, solubility trends.

Naming compounds,

54g of ethene C_2H_4 burns in the presence of oxygen. What is the volume of CO_2 produced?



$$\frac{54g \cancel{C_2H_4}}{1} \times \frac{1 \cancel{\text{mol } C_2H_4}}{28g \cancel{C_2H_4}} \times \frac{2 \cancel{\text{mol } CO_2}}{1 \cancel{\text{mol } C_2H_4}}$$

$$\times \frac{22.4L \cancel{CO_2}}{1 \cancel{\text{mol } CO_2}} = 86.4L \cancel{CO_2}$$

$\text{Al} + \text{I}_2 \rightarrow \text{AlI}_3$ Determine the limiting reactant and the theoretical yield of the product if you start with 1.20g of Al and 2.40g of iodine.



$$\frac{2.4\text{g I}_2}{1} \times \frac{1\text{mol I}_2}{254\text{g I}_2} \times \frac{2\text{mol AlI}_3}{3\text{mol I}_2} \times \frac{408\text{g AlI}_3}{1\text{mol AlI}_3}$$

$$2.57\text{g}$$

NaHCO_3 and HCl react to produce NaCl , H_2O and CO_2 . You start with 3g of NaHCO_3 . You yield 1.98g of NaCl . What is the percent yield?

A gamma ray has a wavelength of $2 \times 10^{-14} \text{ m}$. What energy does this wave carry?

c, λ, h

$$\left(\frac{c}{\lambda} \right) = \frac{c}{\lambda}$$


$$E = h\nu = E = \frac{hc}{\lambda}$$

$$9.93 \times 10^{-25} \text{ J} = \frac{6.626 \times 10^{-34} \text{ J} \cdot \text{s} \cdot 3 \times 10^8 \text{ m/s}}{2 \times 10^{-14} \text{ m}}$$



Kqhoot Quiz I

Pair Up

- You and your lab partner are a team.
- On your browser, go to  kahoot.it
- Enter the number.
- Pick a team name.

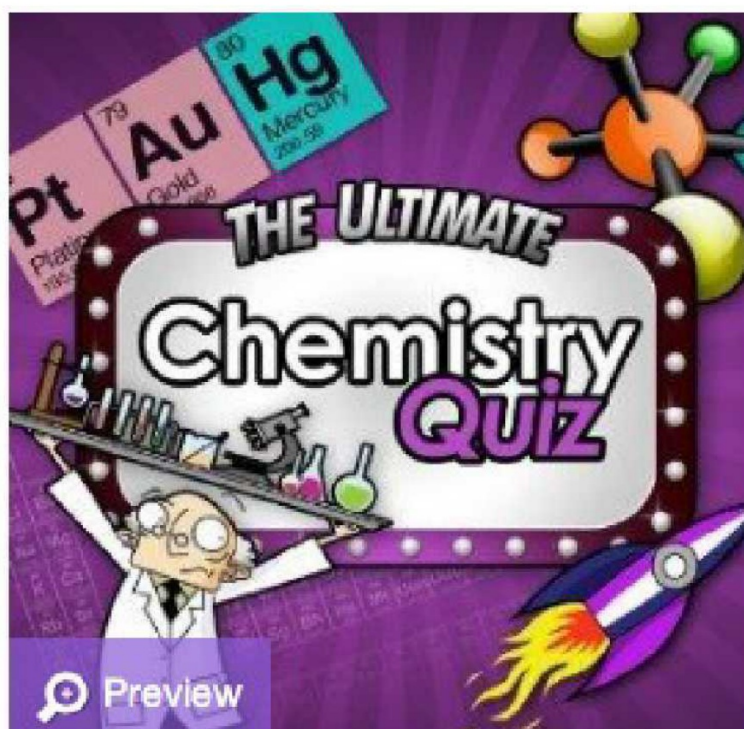
Quizzes

- Please check IC that the grade was entered correctly.
- I will take questions after all quizzes have been returned.

What is the electron configuration for neodymium? Noble gas short cut is okay.

Convert 35m/s into km/hr.

3g of cesium phosphate react with sodium hydroxide in a double replacement reaction. How many grams of sodium phosphate are produced?



Kahoot Quiz 2

