

Chemistry Valentines

Favourite Holiday Demonstrations



Introduction

Chemistry is for all seasons. Encourage creativity and you will be richly rewarded.

Concept

- Creative classroom review

Materials

Art supplies

Safety Precautions

Please read the instructions included with the art supplies. Follow all standard classroom safety guidelines.

Procedure

1. Create chemistry valentines using art supplies. They don't have to rhyme, but they must contain 2–5 chemistry terms. Your valentine should be original, and you may decorate it if you choose. Have fun designing your cards and reviewing some chemistry. Be creative.

Ideas: Some sample valentines are included in the *Discussion* section. These are just examples.

Tip

- A great demonstration relating to Valentine's Day is *The Vanishing Valentine*.

Discussion

Students may ask for some examples. Here are a few.

1. A poem for my valentine

C hemicals for all the experiments we do;
U nits to measure our data too.
P eriodic Table for all the elements we use;
I ons, ions; so many to choose.
D ouble bonds, dots, lone pairs and more;
If You Don't Love Me I'll Sure Be Sore!

2. For a Group I Valentine

You Always Give Me A Positive Charge

3. 4930 has three significant figures, but I simply have one.

You're the only significant figure in my life, and that's all that counts.

4. I can't mix barium and beryllium

But I Got You Babe
Happy Valentine's Day

5. Valentine—I Love You

Love is like an atom, untangible,
But everywhere, love is like a
Chemical bond —essential to keep
Things together. Love is like an
Ionic bond—a little give and take.
Love is like a covalent, bond—
Sharing. Love is like entropy—
Without it, we feel a bit chaotic.
Love is like a paramagnetic element—
Looking for someone else
To fill our shell and make us whole!
Happy Valentine's Day!

HAPPY VALENTINE'S DAY!

6. To My Chemistry Valentine

My love is like an atom
So small, but everywhere.
You cannot see it,
But you know it must be there.
The love that I give to you
Is like a bonding pair.

7. You are like Fluorine, Iodine, and Neon

FINE
HAPPY VALENTINE'S DAY

8. Hey Copper

I Cu IN MY DREAMS

Acknowledgment

Sherry Berman-Robinson, Carl Sandburg High School

Flinn Scientific—Teaching Chemistry™ eLearning Video Series

A video of the *Chemistry Valentines* activity, presented by John Mauch, is available in *Favorite Holiday Demonstrations*, part of the Flinn Scientific—Teaching Chemistry eLearning Video Series.