



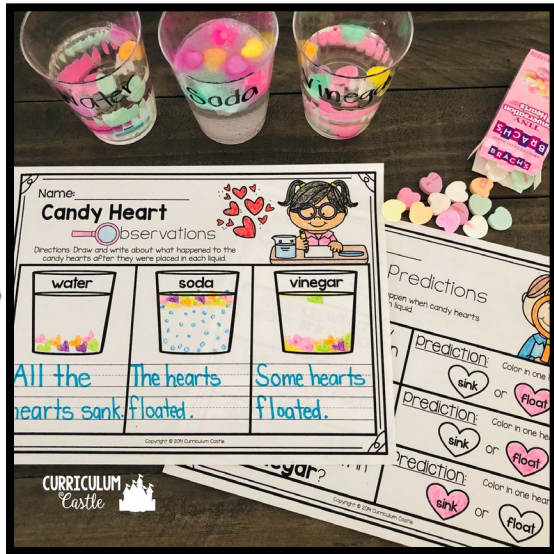
Candy Heart SCIENCE Observations

BY: CURRICULUM CASTLE

LET'S TALK SCIENCE

with

Conversation Hearts



Materials:

- (3) clear cups
- candy hearts
- marker
- water
- soda (clear soft drink or club soda)
- vinegar
- printables (pg 4-6)

Directions:

1. Fill up each cup with one of the following: water, soda, vinegar.
2. Label each cup with a marker.
3. For the "PREDICTIONS" printable, have students make their guesses before the experiment begins.
4. Drop the same amount of candy hearts into each liquid.
5. Students will notice some differences right away. For best results, have students record their "OBSERVATIONS" after waiting at least 15-20 minutes.

*NOTE: We have provided you with a choice of differentiated observation sheets on pages 5 & 6.



Behind the Science with Conversation Hearts

Sink or Float: When an object is more dense than the liquid, it sinks. Also, the amount of air found inside the candy or liquid will determine if it floats to the top or sinks to the bottom. The more air, the bigger the possibility the candy has of floating. For example, since soda has air bubbles, you will notice some candy floating to the top.

Dissolving candy: The type of liquid matters when dissolving candy. Vinegar and soft drinks are best at dissolving the candy hearts because they are acidic liquids. They both dissolved the candy faster than water.

Name: _____

Candy Heart Predictions



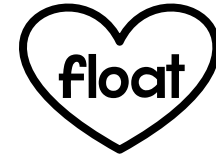
Directions: Predict (guess) what will happen when candy hearts are dropped into each liquid.

Question: Will candy hearts sink or float in **water**?

Prediction: Color in one heart.



or

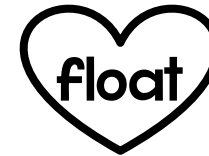


Question: Will candy hearts sink or float in **soda**?

Prediction: Color in one heart.



or



Question: Will candy hearts sink or float in **vinegar**?

Prediction: Color in one heart.



or



Name: _____

Candy Heart

 Observations

Directions: Draw what happened to the candy hearts after they were placed in each liquid.



water

soda

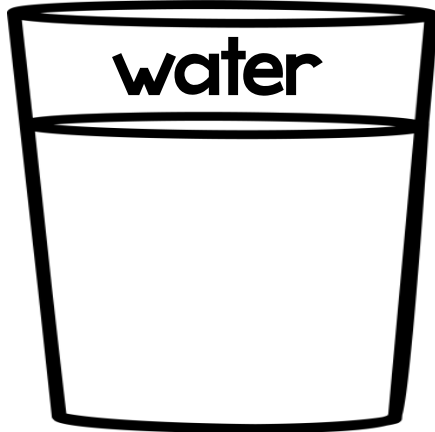
vinegar

Name: _____

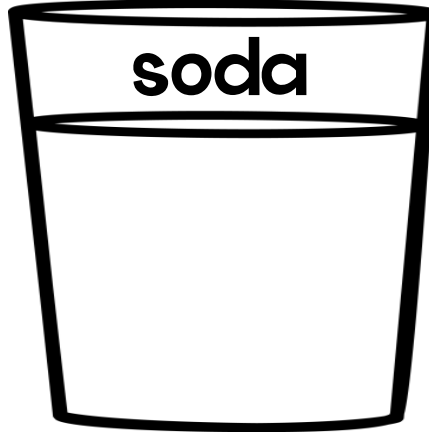
Candy Heart

Observations

Directions: Draw and write about what happened to the candy hearts after they were placed in each liquid.



water



soda



vinegar

Click here for our ENTIRE Valentine's Day Unit!

Recommended Book List!

Find these books at your local library or buy online and start your personal library.

- The Biggest Valentine Ever by Steven Kroll
- The Day It Rained Hearts by Felicia Bond
- The Night Before Valentine's Day by Natasha Wing
- The Story of Valentine's Day by Nan Skarmeads
- The Very Special Valentine by Mag Kneen

Valentine's Day Word Wall

balloons
candy

Valentine's Day Word Wall

heart
letter

Valentine's Day Word Wall

pink
red

Name: _____

Happy Valentine's Day!

What is your favorite part about Valentine's Day? Draw and write about it in the space below.

have a party.
our sweets.

Valentine's ABC Order

Directions: Cut out the words and glue them in order on the lines.

love
cup
red
heart

Syllable Sort

Directions: Sort the words into the boxes.

1 syllable
2 syllables

Roll and Draw

Directions: Roll the die and draw the corresponding body part.

mouth
legs & feet
arms & hands
hair

Spin a Symbol

Directions: Using a pencil and paperclip, spin a Valentine's Day symbol. Spin 10 times and graph your results below. Color in the symbol with the most spins.

How many hearts and candies did you spin in all?

Bee My Valentine!

Directions: Color the bee using the color code below.

8-4
5-3
9-3
10-6
8-2
5-1
6-0

Buggy Loves Money!

Directions: Using a pencil and paperclip, spin the spinner. Look at the coin and find the matching price tag. Color in the price tag. Keep spinning until all the tags are colored in.

5¢, 25¢, 10¢, 1¢

parts of a Letter

At the top of a letter → Heading
Greeting
The "heart" of a letter → Body

sample Letter

Val N. Tine
123 Heart Street
Loveville, CA 90000

Dear Bee,

I wanted you to know that you are a great friend. I would love to see you come to my party!

Love,
Val

My Valentine Letter

Date: _____

Dear _____

parts of an Envelope

Return Address (your mailing address)

Val N. Tine
123 Heart Street
Loveville, CA 90000

Postage (at each stamp here)

Bee Mine
1234 Beehive Lane
Buzzville, NY 10000

Let's Address an Envelope!

Directions: Cut and paste the parts of an envelope in the correct place.

Conversation Hearts: Taste & Describe

Directions: Conduct a candy hearts "taste test". Fill in the hearts with words that describe candy hearts.

Conversation Hearts: Estimate

Directions: Guess how many candy hearts are needed to fill the box below. Then, write down the actual number of hearts it took to fill the box.

Candy Heart Count & Graph!

Directions: Using a box of candy hearts, sort, count and graph your results below.

Candy Heart Predictions

Question: Will candy hearts sink or float in water?

prediction: _____

Candy Heart Observations

water: _____
soda: _____
vinegar: _____

All the hearts sank. Some hearts floated. All the hearts _____

Candy Heart Patterns

Cut out these strips (laminated for durability). Have students use dry erase markers to complete the patterns. Makes a great activity for the end of the year.

Even or Odd?

Directions: Box up the hearts by 2s. Circle if the number is odd.

IF you can box it all up: 1 2 3 4 EVEN

IF you can't box it all up: 5 6 7 8 9 ODD

6 1 2 3 4 5 6 EVEN
9 1 2 3 4 5 6 7 8 9 EVEN
5 1 2 3 4 5 ODD
8 1 2 3 4 5 6 7 8 EVEN
7 1 2 3 4 5 6 7 ODD

What I Love to Pieces!

even
odd

16, 14, 15, 12

What I Love to Pieces!

Illustration of puzzle pieces with a dog, a girl, and an ice cream cone.

Have a sweet Valentine's Day!

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