

Name: _____

Bubbly Adventure

by Rebecca Besser

Hello! I'm a bubble! I can fly up to the sky, or land softly on blades of grass. If I pop, you don't have to be sad, just dip your wand into more bubble solution and blow. I will reappear! I love to play.



There are a lot of things we can do together for fun. I'm really colorful! Do you want to see my colors? Catch me on a bubble wand, and take me to a dark room. Bring a flashlight!

You will need it to see how beautiful I am. After taking me into the dark, turn on the flashlight. Hold it under me, with the beam going right through me. Can you see all my colors?

Another
stove. When
stand on a c



~ PREVIEW ~

**Please log in or register to download
the printable version of this worksheet.**

water on the
y have to
OT!

Watch
down cold air. This movement of air is called *air current*. I will rise the hot air up and will move back down with the cold air. It's like sliding down a slide. You climb up the ladder, then you slide back down on the sliding board.

it pushes

I also like to change shape. Ask your mom or dad to give you some pipe cleaners or twisty ties to make your own bubble wand. Twist them into different shapes, like squares or triangles. Don't forget to make a handle! Dump some bubble solution into a bowl and dip in the different shapes. Make sure the shapes get completely covered with bubble solution. Blow and watch!

I'm not the shape of a square or a triangle! I'm still round! The air inside me is trying to get out, pushing against me from the inside. The air pushes evenly underneath my soapy skin, making me round, and shaped like a sphere.

It's kind of like you sitting on the floor with your legs straight out in front of you, making you an L shape. When you stand up, you become a straight line again. You will always return to your natural shape no matter how much you twist or bend yourself.

I hope you had fun playing with me today. I had a great time, and I'm looking forward to playing with you again soon.

Bubble Solution Recipe

Below is a recipe for Bubble Solution. You can make it yourself from things you have at home.

Ingredients:

- ½ cup
- 1½ cu

Directions:

Mix water and detergent together GENTLY in a medium or large bowl. Try not to make bubbles in the solution while mixing. Dip your wand and blow. Add more detergent or leave solution out over night uncovered to make it stronger.



Name: _____

Bubbly Adventure

by Rebecca Besser

1. If you blow a bubble in a dark room and shine a flashlight on it, what will happen?



2. What is *air current*?

- a. hot water on a stove b. the movement of air
c. the movement of a bubble d. a balloon

3. What shape is a bubble's natural shape?

- a. circle b. cube

4. What

A red-bordered rectangular box containing a cartoon superhero flying to the left, holding a gift. To the right of the superhero, the word "PREVIEW" is written in large, bold, red letters with a black outline. Below "PREVIEW", the text "Please log in or register to download the printable version of this worksheet." is written in a smaller black font.

5. If you make a bubble with a wand shaped like a triangle, the bubble will still be round. Explain why this happens.

6. What two ingredients are needed to make bubble solution?

7. If you make bubble solution and leave it out overnight, does it become stronger or weaker? _____

Name: _____

Bubbly Adventure

by Rebecca Besser



Fill in the missing letters to create a word from the story.

Then, write the full word on the line. Be sure you spell each word correctly.

1. ___ l ___ s h ___ ___ g h ___

hint: small light that is easy to carry

1. _____

2. b ___ i ___

2. _____

hint: |

3. ___ a

hint: |



4. ___ ___ u a ___ e s

hint: four-sided polygons

4. _____

5. ___ ___ c ___ p ___

hint: set of directions for making something

5. _____

6. ___ n ___ ___ v ___ ___ e ___

hint: not covered

6. _____

ANSWER KEY

Bubbly Adventure

by Rebecca Besser

1. If you blow a bubble in a dark room and shine a flashlight on it, what will happen?

You will see a rainbow of colors.

2. What is *air current*? **b**

a. hot water on a stove
b. the movement of air
c. the movement of a bubble
d. a balloon

3. What shape is a bubble's natural shape? **c**

a. circle
b. cube
c. sphere
d. triangle

4. What



~ PREVIEW ~

Please log in or register to download
the printable version of this worksheet.

5. If you make a bubble with a wand shaped like a triangle, the bubble will not be round. Explain why this happens.

The air inside the bubble pushes outwards, causing the soapy bubble to form a spherical shape.

6. What two ingredients are needed to make bubble solution?

water and dishwashing detergent

7. If you make bubble solution and leave it out overnight, does it become stronger or weaker?

stronger



Name: _____

Bubbly Adventure

by Rebecca Besser



Fill in the missing letters to create a word from the story.

Then, write the full word on the line. Be sure you spell each word correctly.

1. f l a s h l i g h t

1. flashlight

hint: small light that is easy to carry

2. b o i

hint: |

A red-bordered box containing a cartoon superhero flying through the air, holding a gift box. To the right of the superhero, the word "PREVIEW" is written in large, bold, red letters with a shadow effect. Below the word, the text reads: "Please log in or register to download the printable version of this worksheet." The entire box is set against a white background.

~ **PREVIEW** ~

Please log in or register to download the printable version of this worksheet.

3. l a d

hint: an object used for climbing

4. s q u a r e s

4. squares

hint: four-sided polygons

5. r e c i p e

5. recipe

hint: set of directions for making something

6. u n c o v e r e d

6. uncovered

hint: not covered

BIBLIOGRAPHY

- Gold-Dworkin, Dr. Heidi. Fun with Water and Bubbles. The McGraw-Hill Companies, Inc. 2000.
- Hipschman, Ron. "Bubbles." Exploratorium.
<<http://www.exploratorium.edu/ronh/bubbles/bubbles.html>>
- Tocci, Salvatore/ Experiments with Soap. Children's Press, A Division of Scholastic. 2003.
- Wikipedia. The Free Encyclopedia. "Soap Bubbles."

