

When we paint, we like to mix...



# Newspaper Fun!

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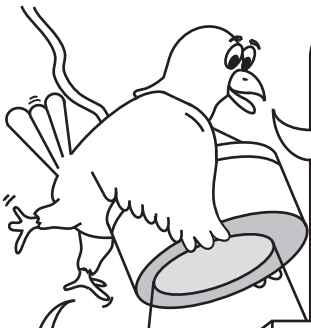


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...colors to try to create new colors!



Kids: color stuff in!



When I went to the circus, I noticed that the main acts were highlighted with colored lights. The lighting crew used spotlights and color to attract the audience's attention, drawing our eyes to where the action was. By doing this they also drew our attention *away* from workers in the shadows who were setting up props and doing other jobs. We all

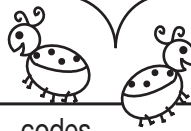
1 focused on what *they* wanted us to see. Our days are filled with color. We think about and use different shades of colors for many things. How many colors can you name?

It's a bit of a red-letter day when you get to be in the spotlight!

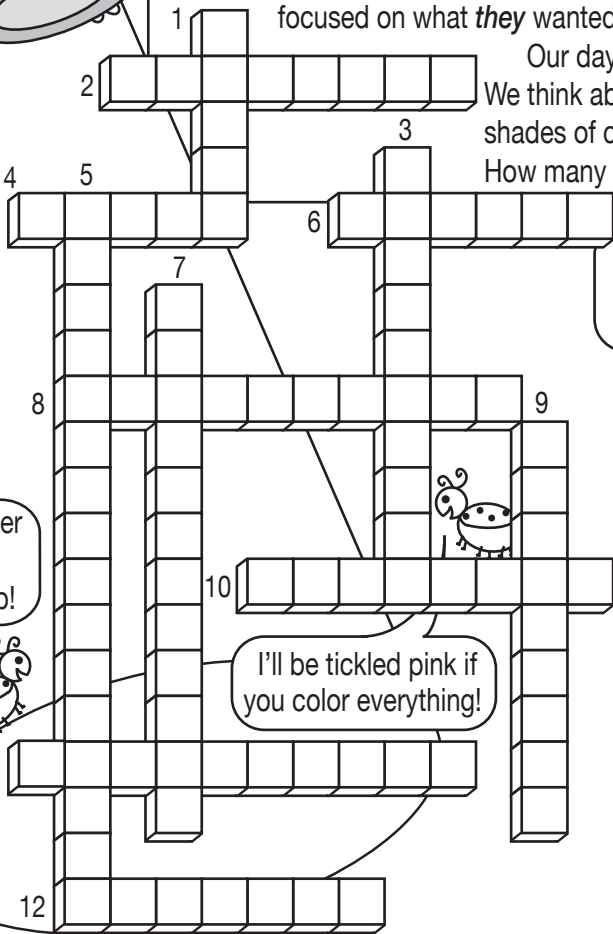
My gardener has a true green thumb!

I'll be tickled pink if you color everything!

Ladybugs can be yellow, orange or red with black spots!



codes  
teams  
decoration  
countries  
signals  
beauty  
directions  
camouflage  
optical illusions  
temperatures  
feelings  
painting

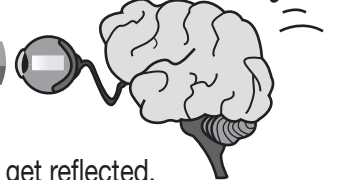


## Colors in the Spotlight!



### How Do We See Color?

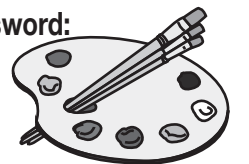
When an object – in this case, an apple – is exposed to sunlight, it absorbs some parts (wavelengths) of the light, *but not all*.



Some of the wavelengths of the light get reflected. When we look at the apple, this reflected light strikes millions of special cells (cones) in our eyes. The information from the cones is sent to our brains, which tell us that the apple is a lovely *red*!

### Read the clues to fill in the "colorful" crossword:

1. players wear the colors of their \_\_\_\_\_
2. red roses = love, expressing our \_\_\_\_\_
3. to make things look nice: materials for clothes or home; jewelry
4. on maps: yellow = land, blue = water
5. to trick the eye, in printing
6. flower bed, fruit bowl, cosmetics
7. red = hot, blue = cool
8. to make blend into the surroundings (soldiers in jungle)
9. red, white and blue, for flags or emblems
10. an artistic work hung on the wall
11. flashing yellow arrow on the road, pointing the way
12. white flag = a wish to surrender

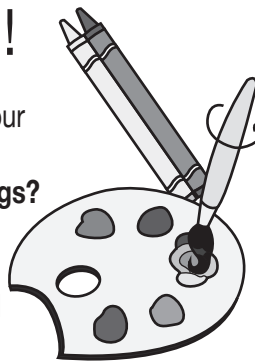


I go to a white elephant sale once in a blue moon.

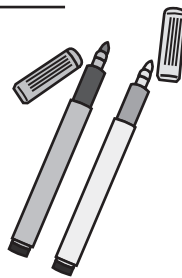
## Words That Color Our World!

We use the names and images of colors to express our feelings and ideas. We give colors meanings! **Can you match these expressions to their "true blue" meanings?**

- |   |                       |
|---|-----------------------|
| 1. show a <u>green</u> - eyed monster   | A. feel sad           |
| 2. a <u>black</u> cloud over one's head | B. be a coward        |
| 3. have a <u>yellow</u> streak          | C. be jealous         |
| 4. see <u>red</u>                       | D. have a big problem |
| 5. feel <u>blue</u>                     | E. become very angry  |
| 6. have a heart of <u>gold</u>          | F. be a kind person   |



- |  |                                       |
|--|---------------------------------------|
| 1. put an agreement in <u>black and white</u>        | A. only see the good things           |
| 2. <u>blue</u> -ribbon pie                           | B. the very best                      |
| 3. get the <u>green</u> light                        | C. be very pale from a scare, illness |
| 4. see the world through <u>rose-colored</u> glasses | D. write it down                      |
| 5. be in the <u>red</u>                              | E. be in debt                         |
| 6. as <u>white</u> as a ghost                        | F. be able to start something         |

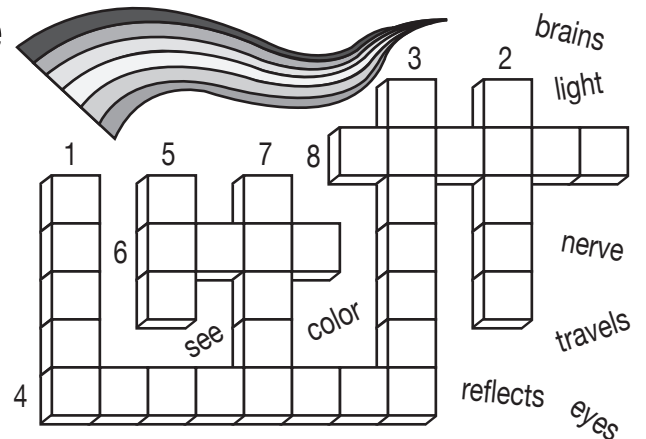


## The Science of Seeing Color

Color is wonderful! But, how do we see color?

### Read the clues to fill in this puzzle!

- |  |  |
|--|--|
| 1. Do you know how we are able to see _____?   | 5. We _____ the wavelengths of light that are bounced off.                                     |
| 2. It all has to do with _____ and how our eyes see it.  | 6. They enter our _____, which have cells shaped like rods and cones that can sense the light. |
| 3. Light _____ in tiny bits and different size wavelengths.  | 7. This information is sent out the back of our eyes, along the optic _____ to our brains.     |
| 4. When we look at an object, its surface bounces or _____ some wavelengths of light and not others. | 8. Our _____ tell us that the grass is green or the sky is blue!                               |



## Let's Mix It Up!



The three primary colors are red, blue and yellow. If you have red, blue and yellow paints, you can combine them in different amounts to make almost any color. **Which colors do you think you can make if you mix the colors on the left below? Draw a line to the color on the right:**

- |                    |           |
|--------------------|-----------|
| 1. blue + yellow = | A. orange |
| 2. red + blue =    | B. pink   |
| 3. yellow + red =  | C. green  |
| 4. red + white =   | D. purple |

If you add white paint to another color of paint, what do you think will happen?

- |                          |                               |
|--------------------------|-------------------------------|
| <input type="checkbox"/> | The paint color will lighten. |
| <input type="checkbox"/> | The paint color will darken.  |

I often use my computer to draw. My programs let me select the mix of colors that I want.



But, I still love stirring up paints by hand.

