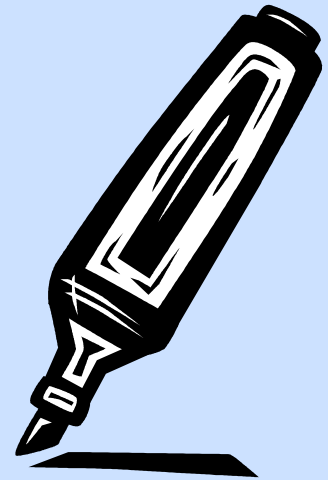


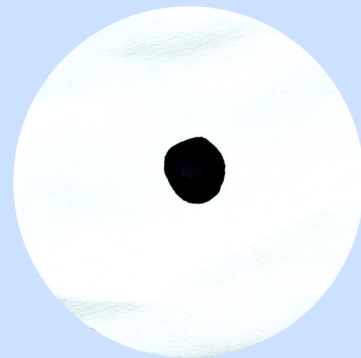
The Mystery of the Appearing Colors

Penelope started to draw a picture on a piece of paper with a black marker. She spilled some water on her picture and a few moments later, she saw something that surprised her.



To find out what she saw, try this. Using a black watercolor marker, draw a circle about the size of a dime in the middle of a piece of paper towel or a coffee filter. Place the paper on top of a glass. Using an eye dropper or a straw, drop water onto the mark. What happened?

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The black ink is actually made up of different colors. These different colors are different substances and, like the members of a family, they have different likes and dislikes. Some like to be in the water and the paper has very little attraction for them. These will be carried along quickly by the water and move furthest away from the center. Some like to be in the water but also find the

paper attractive and will to stick to it.

You will usually see that some color remains where you put it. It may be because it doesn't like water so won't go into it very easily. Or it may be because it is sticking so strongly to the paper that the water just can't get it to shift very easily. Tomato sauce stains on clothing are a good example of this.

Do all kinds of black markers give you the same colors? What happens if you use different colored markers?

