

# The Beat

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*PreTeen Teacher*  
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Sniffed out any patterns lately? You probably don't know it, but you're doing just that all the time. A burning candle, wet paint, or chocolate chip cookies right out of the oven—your nose senses chemicals that things give off and sends those signals to your brain. Your brain goes to work putting the mixture of chemicals into a pattern. Comparing that new pattern with those already stored in the brain makes it possible for humans to know what's out there in a split second.

Wanting to improve smell ability, chemists are developing electronic noses and creating their own reference library of smell patterns. The "ENoses" can go where human noses shouldn't, and, by comparing the patterns, warn of things that could be harmful.

### Think About It

- What aroma pattern do you think is checked most often in your brain?
- What would happen if there were no aroma patterns in your brain?



## Follow the Pattern

Break off into pairs and brainstorm a list of patterns you've seen or have followed. Discuss the effects of not following the pattern in each. Circle the pattern that would be most important to follow. Put a square around the one that it would be the least important to follow. Compare your lists with your classmates.

Do you feel that you're a part of the church?

