



As a member of the committee in charge of the school dance, you must take a stand on whether or not the dance should be held. You then have the opportunity to write a position paper to the principal explaining your position and giving the reasons for it. To make your paper as effective as possible, include as much science in it as you can.

Your position paper should have at least four paragraphs. The first paragraph should state your position—should the school hold the dance or not? The remaining paragraphs should present the arguments for your position.

The paper should demonstrate an understanding of hearing and hearing loss. Here are important topics to include:

- **measurement of sound levels**
- **how loud sounds can contribute to hearing loss**
- **the role of frequency and overtones in hearing and hearing loss**
- **how the ear works**
- **how the ear is such a remarkable organ**

To receive full credit, you should support your position with your experimental results and any research or information presented in this chapter. Also, you should demonstrate an understanding of the science concepts involved in the hearing process.

## Criteria

How will I be graded?

What quality standards must be met to successfully complete the above challenge?

You and your classmates will work with your teacher to define the criteria for determining grades. You will also be asked to evaluate the quality of your own work—both by how much effort you put in and by how well you met the standards set by your class.

