Criteria

Work with your classmates to agree on the relative importance of the following assessment criteria. Each item in the list has a point value given after it, but your class must decide what kind of grading system to use.

1. The variety and number of physics concepts used to produce the light and sound effects: 30 points
   four or more concepts: 30 points
   three concepts: 25 points
   two concepts: 20 points
   one concept: 10 points

2. Your understanding of the physics concepts: 40 points
   Following your production, you will be asked to:
   a) Name the physics concepts that you used. 10 points
   b) Explain each concept. 10 points
   c) Give an example of something that each concept explains or an example of how each concept is used. 10 points
   d) Explain why each concept is important. 10 points

As a class, you will have to decide if your answers will be in an oral report or a written report.

3. Entertainment value: 30 points
   Your class will need to decide on a way to assign points for creativity. Note that an entertaining and interesting show need not be loud or bright.

You will have a chance later in the chapter to again discuss these criteria. At that time, you may have more information on the concepts and how you might produce your show. You may want to then propose changes in the criteria and the point values.