

**1. Modify the following statements to make them true.**

Sound is ( an acoustic / a mechanical ) motion of particles that is capable of producing ( an auditory / an audiovisual ) sensation.

The speed of sound in the air at normal temperature and pressure is approximately ( 340 / 1225 ) m/s.

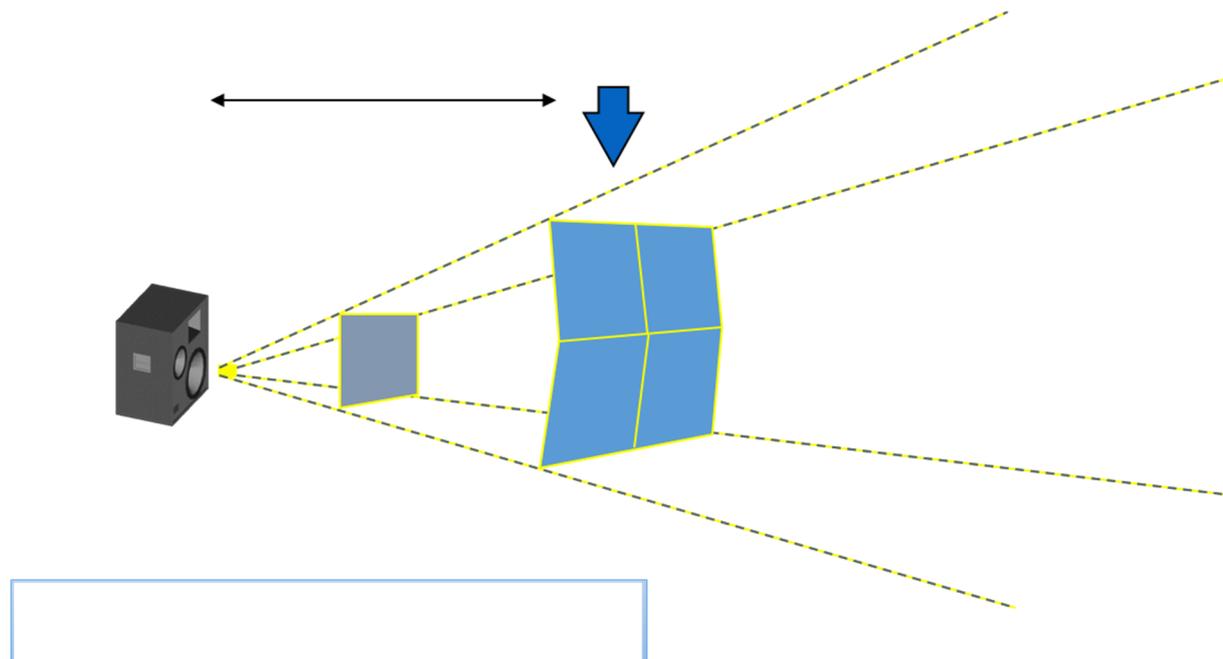
The frequency range of sound that most people perceive is between ( 20 / 500 ) Hz and ( 2 / 20 ) kHz.

Decibel is ( a mathematical / a physical ) unit used to measure ( intensity / polarization ) of sound.

**2. Which three factors affect the resulting image contrast?**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**3. Add the correct labels to the image, according to the inverse square rule:**



**4. Choose the right statements from the following options.**

- Contrast is the most important parameter of a projected image.
- Large-screen imaging is done by using the so-called back reflection projector.
- A central controller is not an essential part of a control system.
- Audioconferencing systems are assemblies of delegate units designed for quality discussion within a meeting room or auditorium.
- Interpreting systems are not multichannel sound transmission systems.
- Network infrastructure provides communication and data exchange between two communicating systems.
- Network infrastructure can be divided to active and passive elements.
- Streaming is a technology of transferring audiovisual material between the source and the end user on customer's request.
- Security of content distribution is a very important part of a storage management system.

**5. Modify the following statements to make them true.**

Loudspeakers should always be placed in the same plane (  $\begin{matrix} \text{perpendicular} \\ \text{parallel} \end{matrix}$  ) to the axis going from the center of the sound.

High and central (frequency) loudspeakers should be positioned (  $\begin{matrix} \text{at the height of legs} \\ \text{at the level of ears} \end{matrix}$  ).

Microphones should be placed (  $\begin{matrix} \text{within direct reach} \\ \text{outside direct reach} \end{matrix}$  ) of loudspeakers.

**6. A control system consists of the following components:**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_