

## 4.2.5: Questions

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1. What is the purpose of initially setting the microphones next to each other?
  2. Is the time delay constant, proportional, or inversely proportional to the separation distance?
  3. Is the velocity of sound constant, proportional, or inversely proportional to the separation distance?
  4. In general, if this experiment had been repeated outside on a very cold day, would the time delays have been longer, shorter, or the same for the distances used?
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