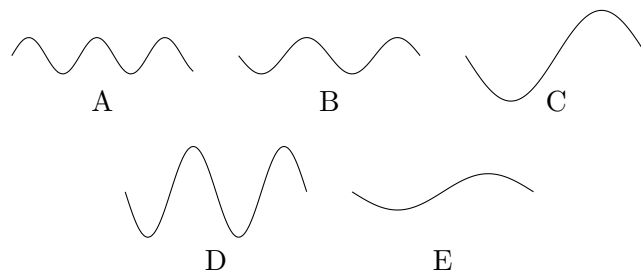


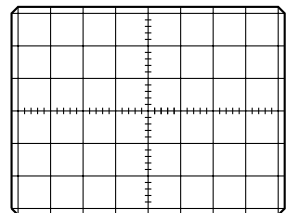
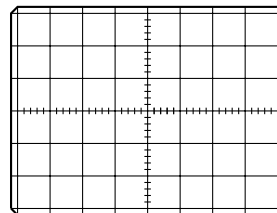
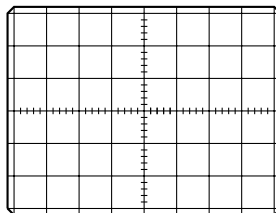
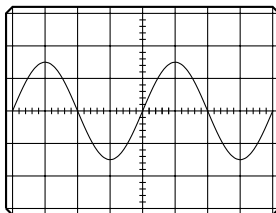
# Drawing sounds

A.C. NORMAN  
anorman@bishopheber.cheshire.sch.uk

- Is a sound wave a longitudinal or a transverse wave?
  - When we look at a sound wave on an oscilloscope, does it appear as a longitudinal or a transverse wave?
- A note can be seen using a cathode ray oscilloscope. Which property of the pattern of a note would change if...
  - ... the pitch of the note changes?
  - ... the loudness of the note changes?
  - ... the note is played on a different instrument?
- The following sounds were produced by a set of tuning forks.



- Which were the loudest sounds?
  - Which was the highest note?
  - How many tuning forks were used?
  - One of the tuning forks was used only once. Which pattern did this produce?
- The following pattern was produced on an oscilloscope by a note. On this sheet, fill in the other scopes to show what the trace might look like for other sounds.



- A quieter note of the same pitch.
- A louder and higher pitched note.
- A lower pitched note of the same loudness played on the piano.



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