

Frequency and Amplitude of Sound Waves





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- 3. Which wave has the most vibrations in 1 second (c or d)? d
- 4. Which wave has the highest frequency? d
- 5. Which wave is from the highest pitch sound? d
- 6. Are the amplitudes of the waves different? no
- 7. Are the volumes of the sounds different? no



- 8. Which wave has the higher amplitude (e or f)? f
- 9. Which wave is from the loudest sound? f
- 10. Which wave has vibrations that are closest together? e
- 11. Which wave has the highest frequency? e
- 12. Which wave is from the highest pitch sound? e

13. Draw a wave below your copy of wave g, which has a much higher amplitude, but the same frequency. Label it 'h'.

How would this sound compare to the sound that produced wave 'g'? Louder, but same pitch

14. Draw a wave to the right of your copy of wave g, which has the same amplitude, but a much higher frequency. Label it 'i'. How would this sound compare to the sound that produced wave 'g'? Same volume, but higher pitch



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