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Intro to Sound

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| **Across**  **2.** The amount of periods or cycles over a time  **4.** Synonym for amplitude  **5.** The second highest wave in a complex sound is the 1st \_\_\_\_\_\_\_\_\_\_\_\_\_  **11.** Perceived highness or lowness of a sound  **12.** A sound is so loud, it blocks another  **15.** Interference where the TOP of one wave mixes with BOTTOM of another  **16.** Distance from rest to furthest point away in a wave  **18.** The natural frequency a mass vibrates the most with the least decay  **19.** Experience of intensity of a sound  **20.** A wave of constant amplitude and period | **Down**  **1.** Force on a surface area (Micropascals)  **3.** Length from a point on one wave to the same point on the next  **6.** Finding the source of a sound  **7.** Resistance to passing on sound energy  **8.** The second highest wave in a complex sound is the 2nd \_\_\_\_\_\_\_\_\_\_\_\_\_  **9.** Interference where the TOP of one wave mixes with the TOP of another  **10.** Capacity to exert a force (watt)  **13.** Gradual decay (becoming weak) of a wave  **14.** The lowest frequency in a complex sound (First word)  **17.** Expended energy (erg or Joule) |

   Resonance       Cancellation       Reinforcement       Pressure       Work       Power       Period       Amplitude       Sinusoidal       Fundamental       Harmonic       Overtone       Pitch       Loudness       Localization       Masking       Impedance       Damping       Intensity        Frequency