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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Sound

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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1A |  |  |  |
|  |  |  |  |  | 2H |  |  |  |  |  |  |  | 3P |  I |  T |  C |  H |  |  |
|  |  |  |  |  |  A |  |  |  |  |  |  |  |  |  |  |  O |  |  |  |
|  | 4C | 5O |  M |  P |  R |  E |  S |  S |  I |  O |  N |  | 6I |  |  |  U |  |  |  |
|  |  |  C |  |  |  M |  |  |  |  |  |  |  |  N |  |  |  S |  |  |  |
|  |  |  T |  | 7D |  O |  P |  P |  L |  E |  R |  E |  F |  F |  E |  C |  T |  |  |  |
|  |  |  A |  |  |  N |  |  |  |  |  |  |  |  R |  |  |  I |  |  |  |
|  |  |  V |  |  |  Y |  |  |  |  |  | 8D |  |  A |  |  |  C |  |  |  |
|  |  |  E |  |  |  | 9L |  O |  U |  D |  N |  E |  S |  S |  |  |  S |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  C |  |  O |  |  |  |  |  |  |
|  |  |  | 10R |  A |  R |  E |  F |  A |  C |  T |  I |  O |  N |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  B |  |  I |  |  |  |  |  |  |
|  |  |  | 11I |  N |  T |  E |  R |  F |  E |  R |  E |  N |  C |  E |  |  |  |  |  |
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|  |  |  |  |  |  |  | 12B |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 13F |  U |  N |  D |  A |  M |  E |  N |  T |  A |  L |  H |  A |  R |  M |  O |  I |  C |  S |
|  |  |  |  |  |  |  |  A |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 14U |  L |  T |  R |  A |  S |  O |  N |  I |  C |  |  |  |  |  |
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| **Across****3.** highness or lowness of a sound. depends on frequency of sound wave **4.** area where sound waves are pushed together**7.** change in frequency of sound caused by movement of either the source, the detector or both**9.** intensity of sound as percieved by the ear and interpereted by the brain**10.** area where sound waves are pushed apart**11.** combination of two or more sound waves**13.** the lowest frequency of sound that resonates in an instrument**14.** frequencies that are above 20,000Hz | **Down****1.** control of noise and vibrations that cause noise**2.** produced when overtones have frequencies that are whole number multiples of the fundamental**5.** eight notes on the musical scale**6.** frequencies below 20Hz**8.** most common unit of measurement for sound level**12.** two frequencies that are nearly identical interfere to produce oscillating high and low sound levels |