Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sound 4.2 Pearson 9 Science

*Match the terms to their definitions, by writing the number of the correct definition in the box.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | TERM |  | DEFINITION |
|  | decibel | 1. | Constant ringing in ears caused by prolonged exposure to loud noises |
|  | rarefaction | 2. | Distance from one peak of wave to the next |
|  | Hertz | 3. | Unit used to measure loudness (dB) |
|  | echo | 4. | In a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ particles move at right angles to direction of wave |
|  | wavelength | 5. | In a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ particles move in the same direction of the wave |
|  | sound wave | 6. | Number of vibrations a sound make each second |
|  | compression | 7. | Unit which measures frequency (Hz) |
|  | transverse wave | 8. | Region of high pressure – particles close to each other |
|  | longitudinal wave | 9. | Region of low pressure – particles are far apart |
|  | frequency | 10. | Compressions & rarefactions starting from vibrating object/ transmitted through air solid or liquid |
|  | ultrasound | 11. | Sound that is reflected and heard a second time |
|  | tinnitis | 12. | Sounds produced by waves of greater frequency than 20 000 Hz |

Year 9 Science – Physical Sciences

**Year 9 Physics Vocabulary Mini Quiz**

**Heat 4.2 Pearson 9 Science**

*Write the correct term on the line next to each definition*

|  |  |  |  |
| --- | --- | --- | --- |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. | Constant ringing in ears caused by prolonged exposure to loud noises |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2. | Distance from one peak of wave to the next |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 3. | Unit used to measure loudness (dB) |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4. | In a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ particles move at right angles to direction of wave |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5. | In a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ particles move in the same direction of the wave |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6. | Number of vibrations a sound make each second |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 7. | Unit which measures frequency (Hz) |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 8. | Region of high pressure – particles close to each other |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9. | Region of low pressure – particles are far apart |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 10. | Compressions & rarefactions starting from vibrating object/ transmitted through air solid or liquid |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 11. | Sound that is reflected and heard a second time |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 12. | Sounds produced by waves of greater frequency than 20 000 Hz |

|  |  |  |  |
| --- | --- | --- | --- |
| **3** | decibel tinnitis | 1. | Constant ringing in ears caused by prolonged exposure to loud noises |
| **9** | rarefaction wavelength | 2. | Distance from one peak of wave to the next |
| **7** | Hertz decibel | 3. | Unit used to measure loudness (dB) |
| **11** | echo treansverse wave | 4. | In a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ particles move at right angles to direction of wave |
| **2** | wavelength longitudinal w | 5. | In a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_ particles move in the same direction of the wave |
| **10** | sound wave frequency | 6. | Number of vibrations a sound make each second |
| **8** | compression Hertz | 7. | Unit which measures frequency (Hz) |
| **4** | transverse wave compression | 8. | Region of high pressure – particles close to each other |
| **5** | longitudinal wave rarefaction | 9. | Region of low pressure – particles are far apart |
| **6** | frequency sound wave | 10. | Compressions & rarefactions starting from vibrating object/ transmitted through air solid or liquid |
| **12** | ultrasound echo | 11. | Sound that is reflected and heard a second time |
| **1** | tinnitus ultrasound | 12. | Sounds produced by waves of greater frequency than 20 000 Hz |