CiE iGCSE Physics Checklist

Section 21: Sound

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| **CORE** |  |  |  |
| Describe the production of sound by vibrating sources |  |  |  |
| Describe the longitudinal nature of sound waves |  |  |  |
| State that the approximate range of audible frequencies for a healthy human ear is 20 Hz to 20 000 Hz |  |  |  |
| Show an understanding of the term ultrasound |  |  |  |
| Show an understanding that a medium is needed to transmit sound waves |  |  |  |
| Describe an experiment to determine the speed of sound in air |  |  |  |
| Relate the loudness and pitch of sound waves to amplitude and frequency |  |  |  |
| Describe how the reflection of sound may produce an echo |  |  |  |
| **SUPPLEMENT** |  |  |  |
| Describe compression and rarefaction |  |  |  |
| State typical values of the speed of sound in gases, liquids and solids |  |  |  |
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