

### Science activity

The figures in the table on the right show how many metres sound travels every second in different materials. Use the information in the table to decide which of the statements below are true and which are false. Place a check mark (✓) beside the statements that you think are true.

| Material    | Speed of sound (metres per second) |
|-------------|------------------------------------|
| Cold air    | 332                                |
| Warm air    | 342                                |
| Fresh water | 1482                               |
| Crude oil   | 1340                               |
| Steel       | 5100                               |
| Crusty rock | 6000                               |

Whales in the ocean hear sounds more quickly than gulls in a lake.

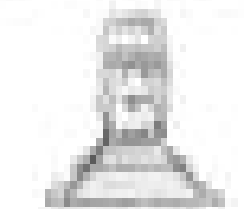


It is easier to hear sounds in winter than in summer.

Railway workers hear the horns of an approaching engine more before they hear the vibrations it makes in the steel rails.



You hear sounds more quickly in space than in liquid.



It is possible to hear sounds through rocks.

Science investigations