

- 1 Which line of the table gives values that are equal to a time of 1 ps (one picosecond) and a distance of 1 Gm (one gigametre)?

| | time of 1 ps | distance of 1 Gm |
|----------|----------------------|---------------------|
| A | 10^{-9} s | 10^9 m |
| B | 10^{-9} s | 10^{12} m |
| C | 10^{-12} s | 10^9 m |
| D | 10^{-12} s | 10^{12} m |

- 2 Which of the following definitions is correct and uses only quantities rather than units?