

- 1 Decimal sub-multiples and multiples of units are indicated using a prefix to the unit. For example, the prefix milli (m) represents  $10^{-3}$ .

Which of the following gives the sub-multiples or multiples represented by pico (p) and giga (G)?

	pico (p)	giga (G)
A	$10^{-9}$	$10^9$
B	$10^{-9}$	$10^{12}$
C	$10^{-12}$	$10^9$
D	$10^{-12}$	$10^{12}$

- 2 A metal sphere of radius  $r$  is dropped into a tank of water. As it sinks at speed  $v$ , it experiences a