

Exercise 39

Give the name of the prefix and the quantity indicated by the following symbols that are used with SI base units.

- (a) c
- (b) d
- (c) G
- (d) k
- (e) m
- (f) n
- (g) p
- (h) T

Solution

The SI prefixes and their meanings are listed in Table 1.3 on pages 30-31.

- (a) c = centi = 10^{-2}
- (b) d = deci = 10^{-1}
- (c) G = giga = 10^9
- (d) k = kilo = 10^3
- (e) m = milli = 10^{-3}
- (f) n = nano = 10^{-9}
- (g) p = pico = 10^{-12}
- (h) T = tera = 10^{12}