

Health Science Pathway

Scientific Notation

Big Idea 1 Practice Task 2

Use the information in the tables 1 and 2, along with the seven SI base units to answer the following:

1. What is the SI symbol and unit for Force?

Answer: The SI symbol for force is N and the SI unit of force is the Newton

2. How is force expressed in **SI base units**?

Answer: Force can be expressed as kg m s^{-2} in SI base units, it could also be written as kg m/s^2

3. What is the SI symbol and unit for pressure?

Answer: The SI symbol for pressure is Pa, and the SI unit for pressure is the Pascal.

4. What physical quantity uses the unit joule?

Answer: Energy is the physical quantity that is measured in joules.

5. What are the symbols for the seven SI base units?

Answer: The seven SI base units are:

The ampere (A) – unit of measurement of electric current

The kilogram (Kg) – unit of measurement of mass

The metre (m) - the unit of measurement of length

The second (s) - unit of measurement of time

The kelvin (K) – the unit of measurement of thermodynamic temperature

The mole (mol) – unit of measurement of amount of substance

The candela (cd) – unit of measurement of luminous intensity