



- How many significant figures are there in the measurement 1.3240 g?
  - 6
  - 5
  - 4
  - 3
- How many significant figures are there in the volume 0.0120 L?
  - 5
  - 4
  - 3
  - 2
- Aluminum has a density of  $2.7 \text{ g/cm}^3$ . Calculate the volume occupied by a mass of 5.235 g?
  - $1.9 \text{ cm}^3$
  - $0.5 \text{ cm}^3$
  - $1.0 \text{ m}^3$
  - $1.9 \text{ m}^3$
- According to the American Heart Association, the recommended daily allowance (RDA) of sodium should not exceed the 3000 mg limit. If table salt (sodium chloride) is 42.7% sodium. How many grams of salt are needed to provide the RDA of sodium?
  - 1281 mg
  - 1281 g
  - 7025 g
  - 7.02 g
- Calculate the percentage composition (by weight) of each element present in sodium sulfate ( $\text{Na}_2\text{SO}_4$ ):
  - %Na: 32.37; %S: 22.57; %O 45.06
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  - %Na: 32.37; %S: 45.06; %O 22.57
- Convert 300 °C to the Kelvin scale:
  - 573.15 K
  - 26.85 K
  - 1.09 K
  - 0.911 K
- Calculate the amount of nitrogen expressed as percentage by weight present in ammonium phosphate [ $(\text{NH}_4)_3\text{PO}_4$ ]:
  - %N: 8.11
  - %N: 20.77
  - %N: 28.19
  - %N: 42.90
- Which of the following properties is an example of a chemical property?
  - Combustibility
  - Boiling temperature
  - Colour
  - freezing point