	Faculty of Chemical & Natural Resources Engineering
Universiti Malaysia PAHANG	Universiti Malaysia Pahang
	SCIENCE & ENGINEERING MATERIAL
	Exercise Chapter 1

Question 1

An aluminium rod with 2.0 cm diameter and 10 cm length has a density of 2.70 g/cm^3.
  a) What is the mass of the aluminium rod (in grams)?
  b) How many atoms are there in the aluminium rod?
  c) What is the mass of one atom of aluminium (in gram)?

Question 2

Table below shows atomic number of 4 different elements.

Element	Atomic number
1	16
2	26
3	29
4	35

  a) Determine the name of element with the following atomic number.
  b) Describe to which group does each element belongs to, and
  c) Write *spdf* electron configuration notation for each element.