

Calculating relative atomic mass (A_r)

1) Define the term relative atomic mass:

2) A sample of iron has the following isotopic composition by mass.

Isotope	^{54}Fe	^{56}Fe	^{57}Fe
Relative abundance / %	5.95	91.88	2.17

Calculate the relative atomic mass of iron.

3) The relative atomic mass of copper is 63.55. Calculate the percentage abundances of the two isotopes of copper, ^{63}Cu and ^{65}Cu .