

PART C

Weighted isotopes

An element is 75% isotope A with mass 10 u and 25% isotope B with mass 12 u.

1 Find the weighted average atomic mass.

2 Why is the average closer to 10 u than to 12 u?

PART D

Two pies

A sample is 60% element X and 40% element Y. A second sample has twice the mass but the same composition.

1 If the first sample is 80 g, find the mass of each element.

2 Find the masses in the second sample. What stayed constant?
