

- Silicon is essential to the computer industry as a major component of chips. It has three naturally occurring isotopes, the relative abundance of each being given below. Calculate the atomic mass of silicon.

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Isotope	Mass of isotope (a.m.u.)	Relative abundance
$^{28}\text{Si}$	27.9769	92.23%
$^{29}\text{Si}$	28.9765	4.67%
$^{30}\text{Si}$	29.9738	3.10%

Answer: