

Atomic Mass I

Given the following sets of isotope masses and relative abundances, rank atom X (an unknown atom) from greatest to least atomic mass—the number that would be found on the periodic table.

A.

amu	abundance
23.944	13.89
25.088	86.11

B.

amu	abundance
23.944	22.22
25.088	77.78

C.

amu	abundance
22.984	13.89
26.909	86.11

D.

amu	abundance
24.001	2.89
26.988	97.11

E.

amu	abundance
23.888	56.50
24.988	43.50

F.

amu	abundance
23.944	9.89
25.088	85.87
25.899	4.24

Greatest 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ Least

Show your work for each below and on another sheet of paper (attached with a staple).

Circle the response that best describes your confidence in your answer above.

(Basically Guessed) 1 2 3 4 5 (Positive you get it)