## Answer to Question #62447, Chemistry / General Chemistry

Although there are three isotopes each for oxygen and magnesium, you only need to sort the two listed.

Average atomic mass values

for planet X (amu)

Oxygen 16.09 Chlorine 36.97 Magnesium 25.31

Mg-24,Mg-25,O-16,O-18,Cl-37,Cl-35

Need to be sorted into: more abundant on Earth, More abundant on Plant X, approximately equal abundance on both planets

## Answer:

Average atomic mass values

for planet Earth (amu)

Oxygen 15.9994 Chlorine 35.4527 Magnesium 24.312

more abundant on Earth	More abundant on Plant X	approximately equal
		abundance on both planets
Cl-35	O-18	O-16
Mg-24	Cl-37	
	Mg-25	

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