

## 1. Link up the concept with the meaning

NEUTRAL ATOM	You must subtract mass number - protons
CATION	You must add neutrons + protons
ANION	It has same number of protons and electrons
ATOMIC NUMBER	It has more electrons than protons
NEUTRONS	It is the same as the number of protons
MASS NUMBER	It has more protons than electrons

## 2. Fill in the blanks (remember it is a neutral atom)

Atoms	Protons (P <sup>+</sup> )	Neutrons (n <sup>0</sup> )	Electrons (e <sup>-</sup> )	Atomic Number (Z)	Mass numbers (A)
M	25				55
T		28		23	
X		24	21		
Y	38				88
Z				33	75
L	50				119

**3. Fill in the blanks (remember it is an ion, could be anion or cation )**

Atoms	Protons	Neutrons	Electrons	Atomic number	Mass numbers	Charge	Cation /anion
M	1	0	0	1	1	+1	CATION
Q				34	79	-2	
W	17	18	18				
E	12				24	+2	
R		16	18	15			
Y	37				85	+1	
G		16	18	16			

**4. Drag and drop**

Element (atom)	Compounds	Mixture

**GOLD**

**AIR**

**OXYGEN**

**MILK**

**CARBON**

**ALCOHOL**

**SALT**

**BLOOD**

**SEA  
WATER**

**WATER**

**CARBON  
DIOXIDE**

**NITROGEN**