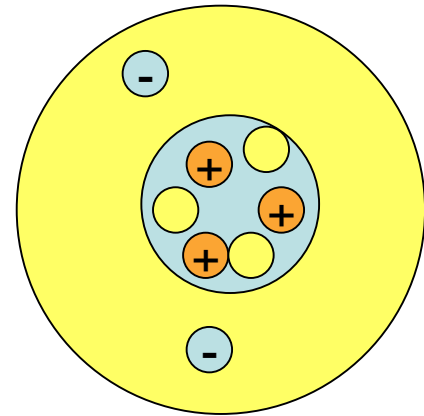
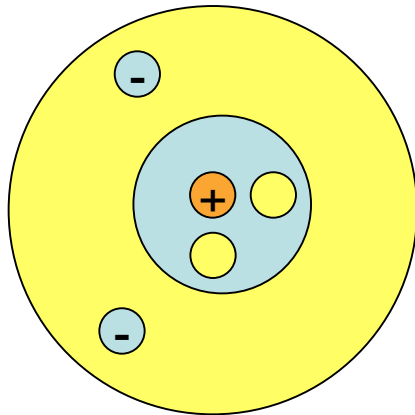
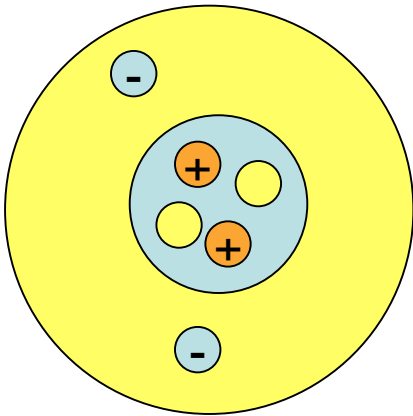
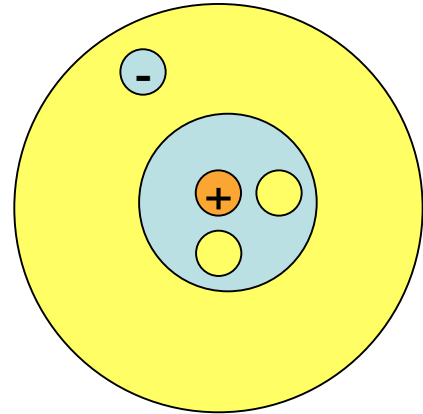
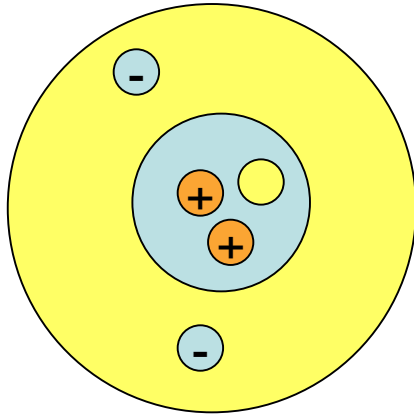
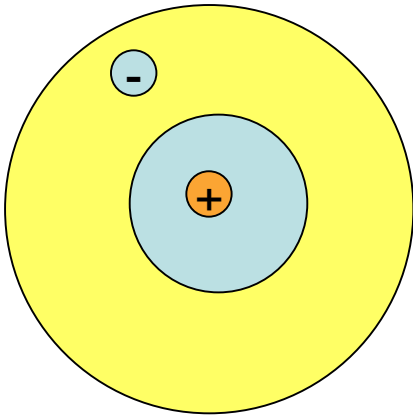


Rutherford model of the atom

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Worked example

Describe the following atom/ions

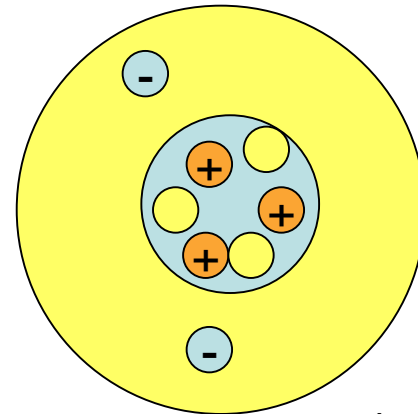
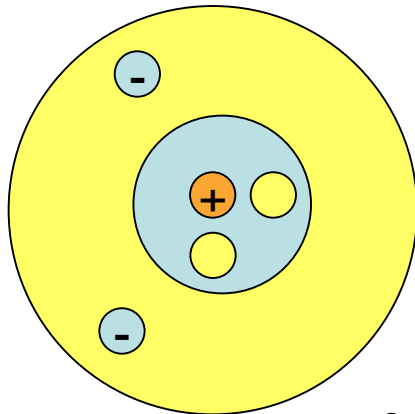
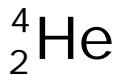
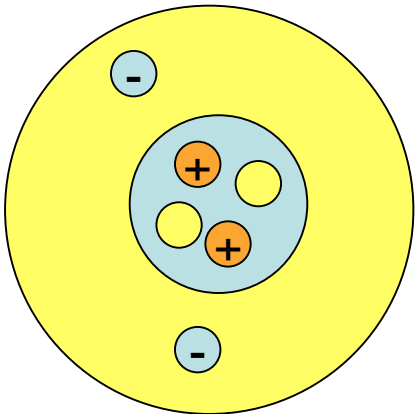
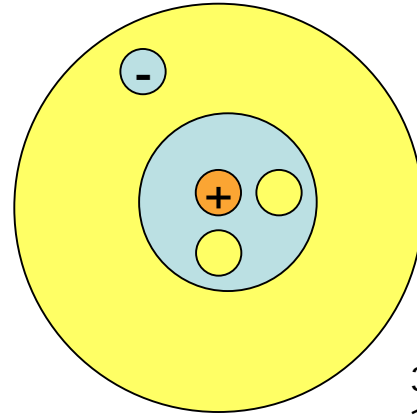
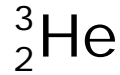
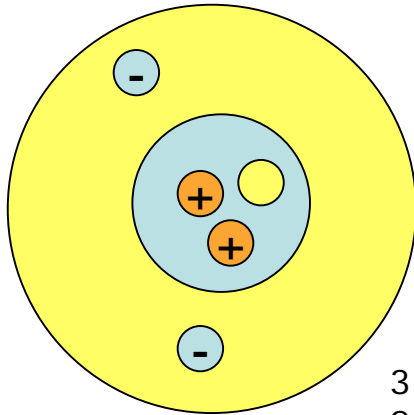
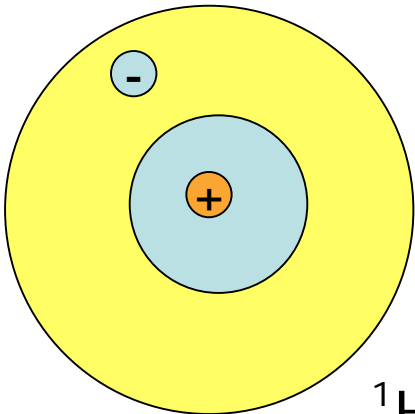


Rutherford model of the atom

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Worked example

Answers



Rutherford model of the atom

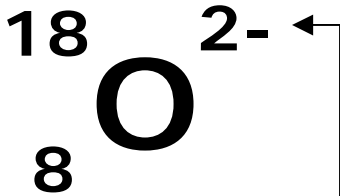
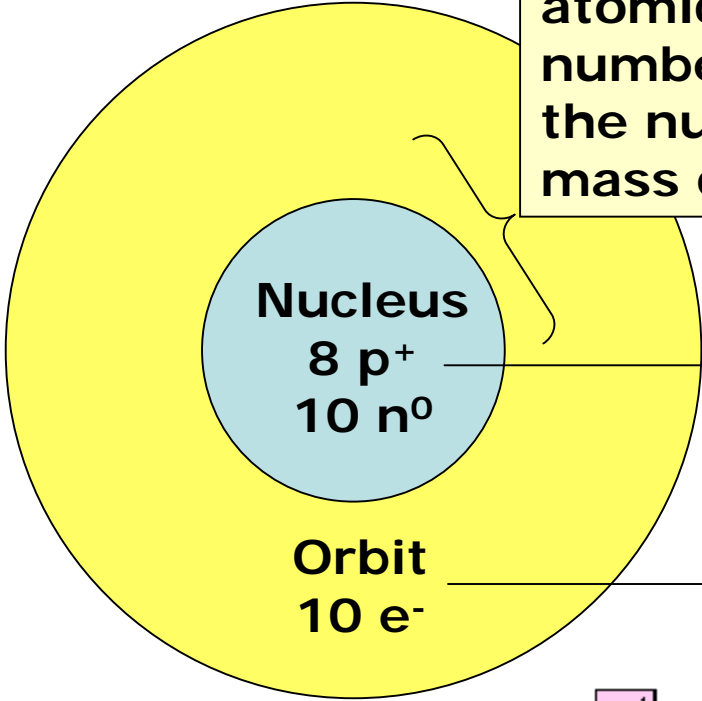
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Atomic number, atomic mass and charge

atomic mass:
number of particles in
the nucleus and
mass of the atom

atomic number:
number of protons and
identity of the atom

electric charge:
balance between
" + " charges and " - "
charges



1																	2
H																	He
3	4											5	6	7	8	9	10
Li	Be											B	C	N	O	F	Ne
11	12											13	14	15	16	17	18
Na	Mg											Al	Si	P	S	Cl	Ar
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Cu	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Rb	Sr	Y	Zr	Nb	Mu	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86

Rutherford model of the atom

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Exercises

Describe the following atom/ions

