

6.2 CYU

1.

Subatomic particle	Mass compared to a proton (larger, smaller, the same)	Charge (+ or -)	Location in the atom
Proton	1 <i>u</i>	+1	In the nucleus
Neutron	1 <i>u</i>	-1	In the nucleus
Electrons	1/ 1800	+1	In the nucleus

2.

Atom	Number of protons	Number of neutrons	Number of electrons
Nitrogen -14	7	7	7
Bromine-79	35	74	35
Lithium- 7	3	4	3
Phosphorus-31	15	16	15

neutron: mass- atomic number

4.

- a) boron
- b)helium
- c) potassium

5. 24

6. a) 17 b) 17 c) Chlorine

7. a) arsenic b) 33 c) 33 d) 74.9