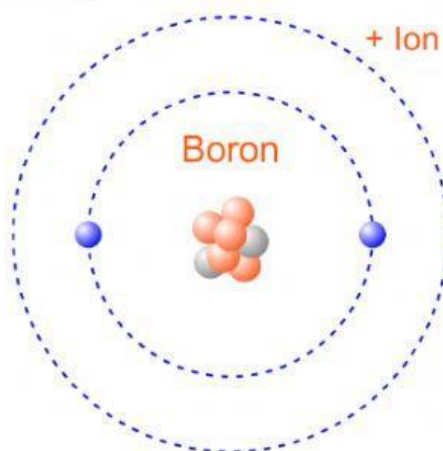


Structure of Matter Review

Protons: ●●●●●●●●
 Neutrons: ●●●●●●●●
 Electrons: ●●●●●●●●



Model:

- Orbits
- Cloud

Element

H	He																
Li	Be	B	C	N	O	F	Ne										
Na	Mg	Al	Si	P	S	Cl	Ar										
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og

Net Charge

Mass Number

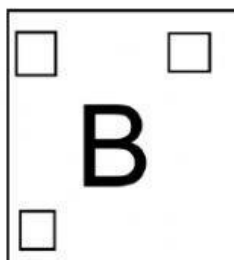
Show

☒ Element
☒ Neutral/Ion
☐ Stable/Unstable



Use the model above to answer the questions

- What is the chemical symbol (1 or 2 letters) for the element? _____
- How many protons are in the nucleus? _____
- How many neutrons are in the nucleus? _____
- What is the mass number? _____
- How many electrons are in the model? _____
- What is the net charge? _____
- Is this a neutral atom, cation, or anion? _____
- Fill in the three boxes in the atomic symbol: _____



Protons:

Neutrons:

Electrons:

Element

C

Symbol

12

C

6

-1

Model:

Orbits

Cloud

Protons

Neutrons

Electrons

Show

☒ Element
☒ Neutral/Ion
☐ Stable/Unstable

Use the model above to answer the questions

9. What is the chemical symbol (1 or 2 letters) for the element? _____

10. What is the name of the element? _____

11. How many protons are in the nucleus? _____

12. How many neutrons are in the nucleus? _____

13. What is the mass number? _____

14. How many electrons are in the model? _____

15. What is the net charge? _____

16. Is this a neutral atom, cation, or anion? _____

17. Complete the chart below to describe the three particles that make up atoms:

Particle	Charge	Relative Mass	Location in the Atom
<u>Electron</u>			
<u>Proton</u>			
<u>Neutron</u>			