

Lewis Dot Diagrams (Electron Dot Diagrams)

Complete the following table.

Element	Element symbol	Atomic number	Number of protons	Number of electrons	Period number	Number of shells	Lewis dot diagram
aluminum	Al	13	13	13	3	3	
silicon	Si	14	14	14	3	3	
calcium	Ca	20	20	20	4	4	
lithium	Li	3	3	3	2	2	
boron	B	5	5	5	2	2	
phosphorus	P	15	15	15	3	3	

Complete the following table

Element name	Symbol	Family	Lewis dot diagram
sodium	Na	alkali metal	Na •
neon	Ne	noble gas	•• •• Ne •• ••
fluorine	F	halogen	•• •• F • ••
calcium	Ca	alkaline earth metal	• Ca •
magnesium	Mg	alkaline earth metal	• Mg •
potassium	K	alkali metal	K •