

# Quick Review

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Name each subatomic particle.

What is the charge for each subatomic particle?

Complete the table

Atom/isotope	Protons	Electrons	Neutrons
Sulfur atom			
H atom			
C-14			
	20		
	35		
Ni-60			
	38		
_____ atom		15	
Al atom			

Name the following atoms.

- 13 protons \_\_\_\_\_
- 16 protons \_\_\_\_\_
- 27 protons \_\_\_\_\_

Complete the table for **isotopes**

Atom/isotope	Protons	Electrons	Neutrons	Mass
			5	11
	12		13	
	45			106
	20			41
			120	199
C-13	6			

Draw the orbitals for the following (the rings with the electrons)

- C
- S
- Li

How many valence electrons do the following atoms contain?

Si \_\_\_\_\_ Ca \_\_\_\_\_ F \_\_\_\_\_ Sr \_\_\_\_\_ K \_\_\_\_\_ Ne \_\_\_\_\_ He \_\_\_\_\_