

# [ Atomic Structure Worksheet ]

- 1 How many protons and neutrons are present in an atom of calcium (Mass number = 40)?

Protons = \_\_\_\_\_

Neutrons = \_\_\_\_\_

- 2 How many protons and neutrons are present in an atom of krypton (Mass number = 84)?

Protons = \_\_\_\_\_

Neutrons = \_\_\_\_\_

- 3 What is the name, symbol, and charge of an ion that contains 12 protons and 10 electrons?

Name = \_\_\_\_\_

Symbol = \_\_\_\_\_

Charge = \_\_\_\_\_

- 4 What is the name, symbol, and charge of an ion that contains 15 protons and 18 electrons?

Name = \_\_\_\_\_

Symbol = \_\_\_\_\_

Charge = \_\_\_\_\_

- 5 A neutral atom has 85 protons and 125 neutrons. Show calculations wherever necessary.

a What is its atomic number? \_\_\_\_\_

b What is its mass number? \_\_\_\_\_

c How many electrons does the atom have? \_\_\_\_\_

d What is the name of the atom? \_\_\_\_\_

- 6 Assuming all the atoms have neutral charge, complete the following table using your knowledge on atomic structure.

	Protons	Electrons	Neutrons	Mass number
Atom 1		8	8	
Atom 2			14	28
Atom 3	22			48
Atom 4		47		107
Atom 5		83	126	
Atom 6	87			223

# Atom Structure Workbook Answers

**S Baum**



## Atom Structure Workbook Answers:

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## The Enigmatic Realm of **Atom Structure Workbook Answers**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Atom Structure Workbook Answers** a literary masterpiece penned with a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of those that partake in its reading experience.

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