

# Unit 3

## Modeling Atomic Structure

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The \_\_\_\_\_ is the number of \_\_\_\_\_ in the nucleus of an atom.



The **atomic number** is the number of                      in the nucleus of an atom.



The **atomic number** is the number of **protons** in the nucleus of an atom.

The \_\_\_\_\_ the total number of \_\_\_\_\_ and \_\_\_\_\_ in the nucleus  
of an atom.

The **mass number** the total number of                      and                      in the nucleus of an atom.

The **mass number** is the total number of **protons** and **neutrons** in the nucleus of an atom.

The **mass number** the total number of **protons** and **neutrons** in the nucleus of an atom.







What does the 1 mean?



What does the 1 mean?

1 is the total number of neutrons and protons.





What does the 4 mean?



What does the 4 mean?

4 is the total number of neutrons and protons.



What does the 4 mean?

4 is the total number of neutrons and protons.

What does the 2 mean?



What does the 4 mean?

4 is the total number of neutrons and protons.

What does the 2 mean?

2 is the number of protons.