

Name_____

Chem4Kids Internet Activity

1. Navigate to this website:
You should be at this page:

Address  http://www.chem4kids.com/files/atom_intro.html



ATOMS (Atomi • Átomos • Atomes)

CHEM4KIDS.COM

Atoms are the basis of chemistry. They are the basis for everything in the Universe. You already learned in the matter section that matter is composed of atoms. That's true. Atoms and the study of atoms are a

2. Read the information on the page and answer the following question:
a. Atoms are composed (made) of what?
3. Scroll back up and find the navigation bar on the left-hand side of the page. Click on **Structure**.

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[Structure](#)

[Ions](#)

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[Isotopes](#)

- a. Read the information on the page and draw a diagram of a basic atom.
- b. Where are protons & neutrons found?
- c. What is the nucleus?
- d. What is the charge of each part of the atom?

e. Where are electrons found?

f. Describe orbital or shell.

g. Why can't we really know the position of an electron?

4. Scroll back up and find the navigation bar on the left-hand side of the page. Click on **Ions**. Read the information on the page and then answer this question:
- What is an ion?

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5. Scroll back up and find the navigation bar on the left-hand side of the page. Click on **Bonding**. Read the information on the page and then answer this question:
- What does a "happy atom" have to do with bonding?

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6. Scroll down to the bottom of the page and click on this box:

**NEXT STOP
ON TOUR**

Read the information on the page and then answer this question:

a. What kinds of forces cause compounds?

7. Scroll down to the bottom of the page and click on this box:

**NEXT STOP
ON TOUR**

Read the information on the page and then answer these questions:

a. What are elements?

b. How is the Periodic Table organized?

c. Describe Periods.

d. Describe Groups.