

What is Chemistry?

You will be using the following link:
[Chem4kids](http://Chem4kids.com) to complete this webquest.

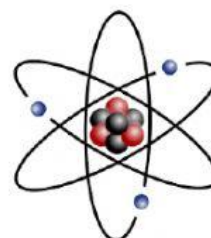


1. What is chemistry?
2. As a chemist:
 - a. You might look at the amount of space an object can fill

 - b. You might measure the energy of atoms

 - c. You might look at the way acids can dissolve certain
compounds _____
3. The Earth is one large mixture of _____,
_____, and _____
4. What are the two main qualities of matter?

5. What are the 6 atoms they provide?
 - a. _____ (H)



b. _____ (C)

c. _____ (O)

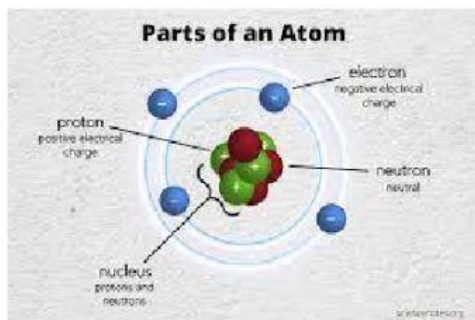
d. _____ (N)

e. _____ (Ca)

f. _____ (P)

6. What are YOU made up of?

7. _____ are the smallest and most basic units of matter that have the properties of an element.



8. All atoms have the same basic parts, what are they?

9. What are elements?

10. An element is made of atoms that have the same number of _____.

11. Atoms with the same number of protons and different number of neutrons are called _____.

12. What are chemical reactions?

You will now click on the following link: [Matter](#) and complete the webquest.

13. Matter is defined as _____.

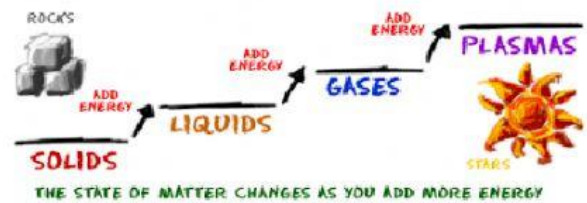
14. _____ is the amount of matter in an object.

15. What is the difference between mass and weight?

16. What is volume?

17. How do different states of matter fill volume?

18. What are the 5 states of matter?



19. What makes a state of matter?

20. What is a physical change in matter?

21. What is a chemical change in matter?

Click on the following link to take the [matter quiz](#).

What was your score? _____