Name: _____

Matter WebQuest

We are working on the website www.chem4kids.com for this WebQuest. Go to this site and then click on the link titled MATTER and work through the questions below.

MATTER IS THE STUFF AROUND YOU

1. What is the definition of matter?

2. What is matter made of?

3. How many states of matter are there? What are they called?

4. What does the word "state" mean in chemistry?

CHANGING STATES OF MATTER

5. Draw and label the diagram of the changing water molecules in the space below.

6. Write at least 3 descriptions of solids, liquids and gases in the spaces below.

SOLIDS	LIQUIDS	GASES

7. What does the term "chemical state" mean?

NOW TAKE THE QUIZ ON MATTER OR GO TO THE LINK THAT SAYS NEXT STOP ON THE TOUR.

STATES OF MATTER

8. What is one physical force that can change an object from one phase to the next? How does it do this?

9. What does the word phase mean?

10. What is water vapour? Where would you find it?

11. Describe what a chemical change is in your own words.

GO TO THE LINK THAT SAYS NEXT STOP ON THE TOUR.

SOLIDS BASICS

12. Draw and label the diagram of the solids, liquids and gases in the space below.

13. Why are solids hard?

14. Solids can hold their shape. True or False.

15. Draw the picture of the solid atoms in the space below.

16. What is a mixture?

STOP AT THE SECTION TITLED "CRYSTALS" AND GO TO THE LINK THAT SAYS NEXT STOP ON THE TOUR.

LIQUIDS BASICS

17. What are some examples of liquids?

18. What is a solution?

19. Draw the diagrams of the compression of the three states of matter.

GO TO THE LINK THAT SAYS NEXT STOP ON THE TOUR.

LOOKING FOR A GAS

20. What is atmosphere?

21. Describe what a gas is like.

22. What are some of gases' physical characteristics?

23. As you navigate through this website, locate and record definitions for the words listed in the table below.

Vocabulary	Definition
Atom	
Protons	
Electrons	
Neutrons	
Nucleus	
Orbital	
Element	
Group	
Period	
Atomic Number	A unique number for each element that indicates the number of protons and electrons found in the atom.
Atomic Mass	The mass of the atom. Subtracting the atomic number from the atomic mass will tell you the number of neutrons in the atom.
Ionic Bonding	
Covalent Bonding	
Isotopes	

END OF WEBQUEST

For some fun games to play visit: http://www.funbrain.com/ and select one of the games you would like to play.