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made up of protons neutrons and electrons and is composed of atoms an atom consists of a tiny  
nucleus made up of protons and neutrons on the order of 20 000 times smaller than the size of the  
atom the outer part of the atom consists of a number of electrons equal to the number of protons  
making the

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made from only one type of atom is called an element

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and nitrogen are examples of elements atoms each element is composed of one particular kind of  
atom an atom is the smallest part of an element that can enter into combinations with atoms of  
other elements

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structure of the atom atoms have protons and neutrons in the center making the nucleus while the electrons orbit the nucleus the modern atomic theory states that atoms of one element are the same while atoms of different elements are different

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table 92 of which occur naturally and each is based on a different atom the word atom comes  
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distinguish between different elements by counting the number of protons in the nucleus since an  
atom of one element can be distinguished from an atom of another element by the number of  
protons in its nucleus scientists are always interested in this number and how this number differs  
between different elements

*periodic table wikipedia* Feb 02 2022 web the periodic table also known as the periodic table of  
the elements arranges the chemical elements into rows periods and columns groups it is an  
organizing icon of chemistry and is widely used in physics and other sciences it is a depiction of  
the periodic law which says that when the elements are arranged in order of their atomic

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