

Chemistry Unit 1 Vocabulary Bingo

___ <i>atom</i>	the smallest unit of an element that retains all of the properties of that element
___ <i>element</i>	a pure substance made of only one kind of atom
___ <i>proton</i>	an atomic particle having a mass number of 1 and a charge of +1
___ <i>neutron</i>	an atomic particle having a mass number of 1 and a charge of 0
___ <i>electron</i>	an atomic particle having a mass number of 0 and a charge of -1
___ <i>nucleus</i>	a region of the atom that has most of the atom's mass but very little of the atom's volume
___ <i>electron cloud</i>	a region of the atom that has very little of the atom's mass but most of the atom's volume
___ <i>atomic number</i>	the number of protons in the nucleus of an atom
___ <i>mass number</i>	the sum of the protons and the neutrons in the nucleus of an atom
___ <i>isotopes</i>	atoms of the same element that have different masses
___ <i>radioactive decay</i>	a process in which the composition of an atom's nucleus changes
___ <i>alpha particle</i>	two protons and two neutrons bound together and emitted from the nucleus during some kinds of radioactive decay
___ <i>beta particle</i>	an electron emitted from the nucleus during some kinds of radioactive decay
___ <i>gamma ray</i>	a high-energy electromagnetic wave emitted from a nucleus as a result of some types of nuclear decay
___ <i>fission</i>	a nuclear change in which a larger particle decays into two or more smaller particles
___ <i>fusion</i>	a nuclear change in which two or more smaller particles join to form a larger particle

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