Name : _____ Date : _____

ATOMS WORKSHEET

Fill in the blanks in the following.

(a) The atomic number tells you the number of _____ in an atom. also indicates the number of _____ in a neutral atom of that element. No two different elements will have the _____ atomic number.

(b) The _____ is the average of an element's naturally occurring atomic weight, or the weight of the isotopes, taking into account the _____ of each isotope.

(c) The mass number is used to calculate the number of _____ a single atom. To calculate the number of neutrons, you must subtract the _____ from the _____.

(d) The _____ which are numbers found on the lower _____ - hand side of each element symbol. This tells you the number of _____ in the molecule. If an element symbol has no subscript next to it, this indicates there is only _____ atom in the molecule.

(e) The _____ of an element is the total number of nucleons in the _____ of the atom.

Name : _____ Date : _____

ATOMS WORKSHEET

Answers

Fill in the blanks in the following.

(a) The atomic number tells you the number of protons in an atom. also indicates the number of electrons in a neutral atom of that element. No two different elements will have the same atomic number.

(b) The atomic mass is the average of an element's naturally occurring atomic weight, or the weight of the isotopes, taking into account the mass of each isotope.

(c) The mass number is used to calculate the number of nucleons a single atom. To calculate the number of neutrons, you must subtract the protons from the nucleons.

(d) The subscripts which are numbers found on the lower right - hand side of each element symbol. This tells you the number of atoms in the molecule. If an element symbol has no subscript next to it, this indicates there is only 1 atom in the molecule.

(e) The mass number of an element is the total number of nucleons in the nucleons of the atom.