NAME: CLASS:

NUCLEAR NOTATION AND ISOTOPES

1) *Complete the following table by typing the correct answers in the spaces provided. The first row is done as an example for you to follow.*
You will need to use a Periodic Table to assist you in identifying the elements.

Atomic symbol	Name of Element	Mass Number	Atomic Number	No. of Protons	No. of Neutrons	No. of Electrons
$^{48}_{22}Ti$	titanium	48	22	22	26	22
$^{65}_{30}Zn$						
$^{207}_{82}Pb$						
$^{119}_{50}Sn$						
$^{56}_{26}Fe$						
$^{201}_{80}Hg$						

2) *Complete the following sentences.*

a) Mass number is the sum of protons and _____ in the nucleus of an atom.

b) Isotopes are _____ of the same element that have the same _____ number but the different _____ number, which means isotopes have the same numbers of _____ and electrons, but different numbers of _____.

c) Isotopes have the same _____ properties but different _____ properties.