

Name _____ Period _____ Date _____

MAKING MODELS OF ISOTOPES

1. Define isotope:

2. Hydrogen has three isotopes:

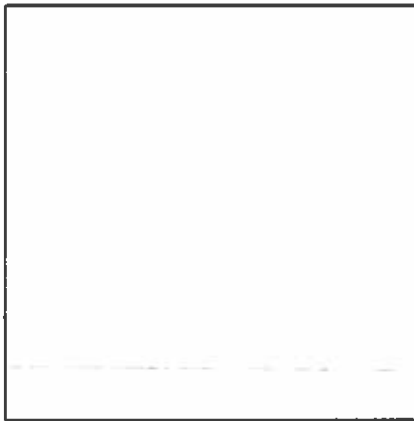
Hydrogen -1, called protium, amu = 1

Hydrogen -2, called deuterium, amu = 2

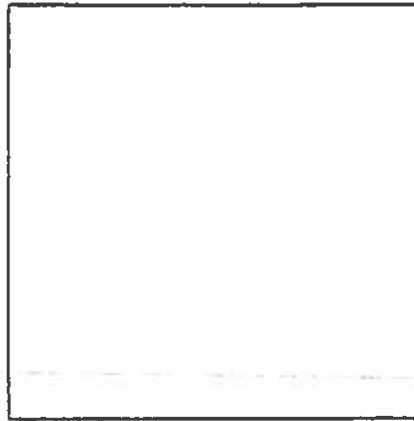
Hydrogen -3, called tritium, amu = 3

In the boxes below, draw a diagram of each of the three isotopes.

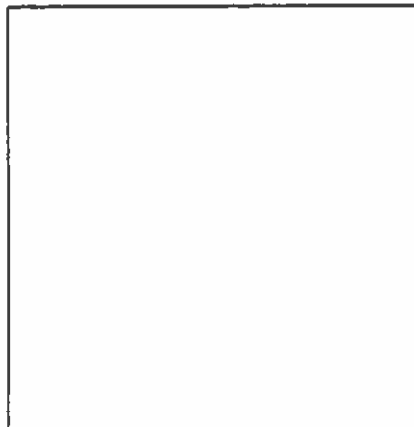
Protium



Deuterium



Tritium



WORKSHEET: ATOMS & ISOTOPES

NAME _____
HOUR _____

Fill in the table of ISOTOPES by using information from your list of elements. (DO NOT USE YOUR PERIODIC TABLE)

element name	symbol	atomic number	atomic weight	protons	electron	neutron	valence electrons	ion charge
sodium-23								
oxygen-16								
fluorine-19								
neon-20								
sulfur-32								
	C		14					
			79	35				
	K				19	21		
		12				14		
					1	2		