Name :	Score :	Date :		
Protons, Neutrons, and Electrons Worksheets				
1. Using the symbol box to the	e right, answer the following o	questions:		
a. What is the atomic number? () d. How many neutron		neutrons?	32	
b. What is the mass number? (e. How many protons? ()		protons?	S	
c. How many electrons?			Sulfur 16	
2. Fill in the missing information	on from the given atom symb	ols.		
$_{2}^{4}He$	$_{26}^{56} Fe$	$^{27}_{13}A$	$_{13}^{27}Al$	
Element name:	Element name:	Element name:	Element name:	
# of protons:	# of protons:	# of protons:	# of protons:	
# of neutrons:	# of neutrons:	# of neutrons: _	# of neutrons:	
⁴⁰ ₂₀ Ca	⁵⁶ ₂₆ Ne	¹² ₆ C	$^{12}_{6}C$	
Element name:	Element name:	Element name:	Element name:	
# of protons:	# of protons:	# of protons:		
# of neutrons:				
$^{19}_{~9}F$	³⁵ ₁₇ <i>Cl</i>	$_{11}^{23}N$	$_{11}^{23}Na$	
Element name:	Element name:	Element name:	Element name:	
# of protons:	# of protons:	# of protons:	# of protons:	
# of neutrons:	# of neutrons:	# of neutrons:		
$^{130}_{56}Ba$	$_{26}^{56} Fe$	$_{35}^{79}B$	$_{35}^{79} Br$	
Element name:	Element name:	Element name:	Element name:	
# of protons:	# of protons:	# of protons:	# of protons:	
# of neutrons:	# of neutrons:	_ # of neutrons:		

Name: Score : _____ Date : _____

Protons, Neutrons, and Electrons Worksheets

1. **Answers**

a. What is the atomic number?

d. How many neutrons?

32

b. What is the mass number?

c. How many electrons?

32

e. How many protons?

Sulfur

16

2.

⁴2*He*

⁵⁶₂₆Fe

 $^{27}_{13}Al$

Element name: Helium

of protons: 2

of protons:

Element name: Iron

26

of protons:

Element name: Aluminium

of neutrons: 2

of neutrons: 30

of neutrons: 30

⁴⁰₂₀Ca

⁵⁶₂₆Ne

 $^{12}_{6}C$

Element name: Calcium

of protons: 20

of neutrons: 20

Element name: Neon

of protons: 10

of neutrons: 10

Element name: Carbon

of protons: 6

of neutrons: 6

 $^{19}_{9}F$

³⁵₁₇*Cl*

 $^{23}_{11}Na$

Element name: Fluorine

of protons: 9

of neutrons: _____10

Element name: Chlorine

of protons: 17

of neutrons: _____18____

Element name: Sodium

of protons: _____11

of neutrons: 12

 $^{130}_{56}Ba$

⁵⁶₂₆Fe

 $^{79}_{35}Br$

Element name: Barium

of neutrons: 74

of protons: 56

Element name: Iron

of protons: 26

of neutrons: 30

Element name: Bromium

of protons: 35

of neutrons: _____44