

Name \_\_\_\_\_ period \_\_\_\_\_

## DO NOW

Identify that protons determine an element's identity, and valence electrons determine its chemical properties including reactivity.

Date \_\_\_\_\_

The periodic table gives the element's symbol and name. It also gives the atomic mass and atomic number. What should you do to find the number of protons in an element?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

\_\_\_\_\_

\_\_\_\_\_

4. Answer the question in the space below.

D	H	O	B	S	H	N	E	P	T	U	N	E	Y
U	E	J	I	H	U	N	Y	S	T	H	A	O	R
D	N	A	U	U	E	E	E	M	A	E	N	W	A
W	N	A	I	P	L	U	T	O	N	A	O	D	H
A	G	H	P	L	I	Z	O	O	E	R	U	S	U
R	D	E	I	H	C	T	M	N	W	T	N	S	H
F	H	Y	H	O	P	B	E	O	Q	H	I	U	E
R	A	C	O	E	A	A	R	R	T	E	O	A	E
U	S	A	T	U	R	N	C	P	L	A	N	E	T
R	T	A	E	H	F	T	U	E	U	L	E	E	E
I	E	U	C	U	F	A	R	O	V	C	E	I	O
A	R	F	A	I	R	A	Y	A	O	E	I	R	H
T	O	A	I	N	I	A	B	E	A	R	N	A	E
O	I	A	T	E	O	E	N	A	A	E	H	U	A
E	D	I	D	D	O	E	D	U	T	S	E	T	S
E	S	Z	E	E	H	O	P	H	S	L	U	M	S

VENUS  
EARTH  
MARS  
CERES  
ASTEROIDS  
JUPITER  
SATURN  
NEPTUNE  
URANUS  
PLUTO  
DWARF  
PLANET  
MOON

Date \_\_\_\_\_

The group number is found at the top of each column on the periodic table. Each group has a different set of chemical properties such as being very reactive and others being non reactive. What structure accounts for the similarities in the chemical properties of elements?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

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\_\_\_\_\_

4. Answer the question in the space below.

Date \_\_\_\_\_

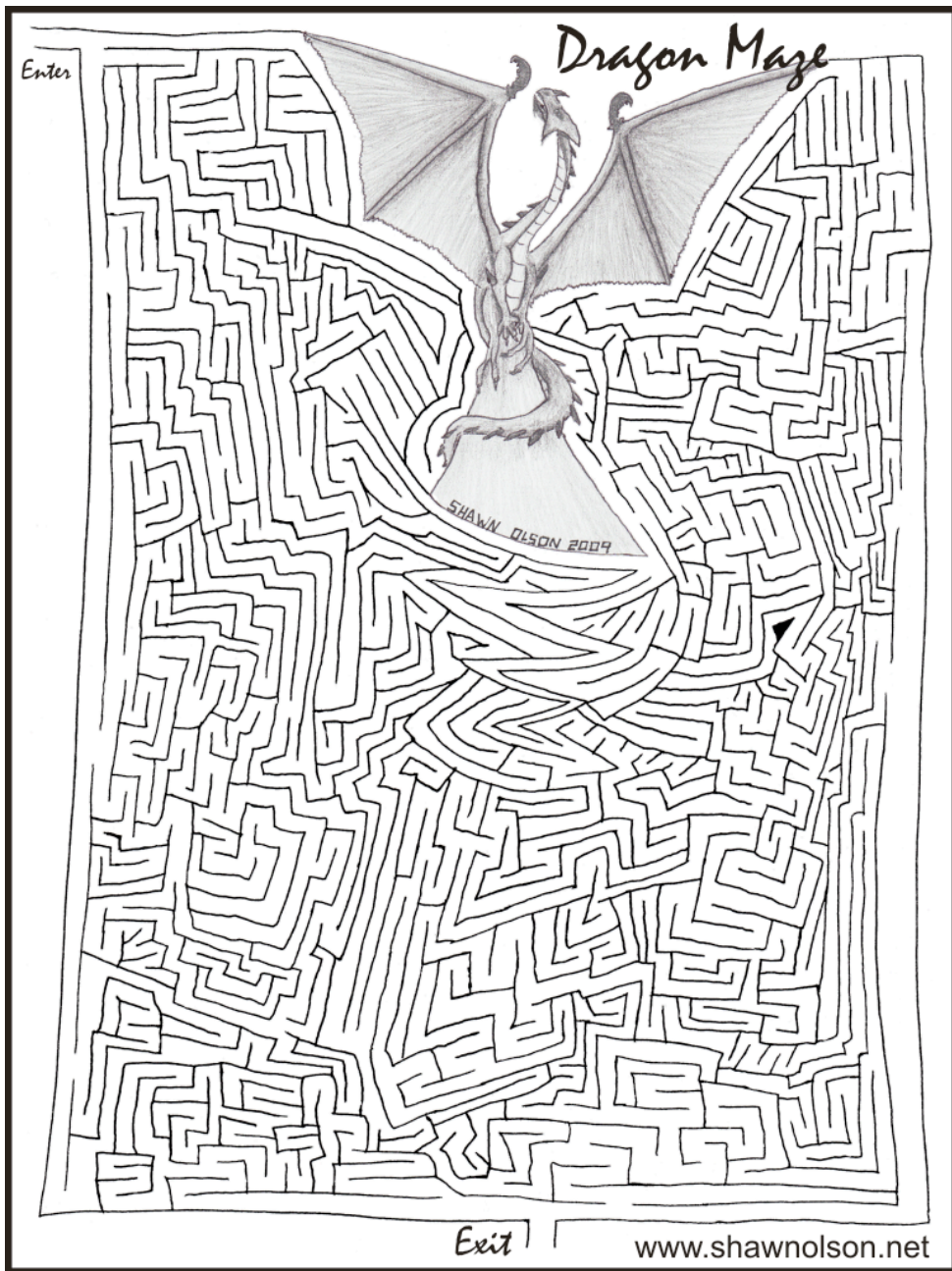
Elements are placed in the same group because they have the same reactivity. What element has the same number of valence electrons as Neon?

1. Underline the question.
2. Box the important vocabulary words.
3. Tell something else you know about this topic.

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\_\_\_\_\_

4. Answer the question in the space below.



NAME: \_\_\_\_\_

**THERE ARE 10 DIFFERENCES BETWEEN THOSE TWO PICTURES. FIND THEM AND MARK THEM WITH A CROSS.**

