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Table Periodic about Worksheet الملف

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Name: _____ Period: _____

1. Which of the following sets contains objects where BOTH are found in the nucleus of an atom?

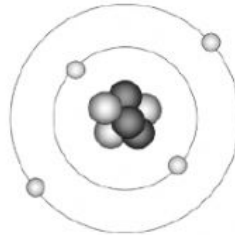
- A. electrons and protons
- B. neutrons and electrons
- C. protons and energy
- D. protons and neutrons

2. An atom consists of 11 electrons, 12 neutrons, and an undetermined number of protons. Which information will be MOST helpful in determining the number of protons and the atom's overall charge?

- A. mass number
- B. conductivity
- C. number of energy levels
- D. chemical family

3. What element is represented in this model if the atomic number is 3?

- A. lithium
- B. carbon
- C. nitrogen
- D. neon



4. Which of the following lists the elements in order, from those having the fewest protons to those having the greatest number of protons?

- A. Li, Be, He, C, N
- B. N, P, As, Sb, Bi
- C. Cs, Rb, Po, At, Rn
- D. At, I, Br, Cl, F

1	1	2	13	14	15	16	17	18		
1	H		5	6	7	8	9	10		
2	3	4	13	14	15	16	17	18		
	Li	Be	B	C	N	O	F	Ne		
3	11	12	13	14	15	16	17	18		
	Na	Mg	Al	Si	P	S	Cl	Ar		
4	19	20	21	30	31	32	33	34	35	36
	K	Ca	Sc	Zn	Ga	Ge	As	Se	Br	Kr
5	37	38	39	48	49	50	51	52	53	54
	Rb	Sr	Y	Cd	In	Sn	Sb	Te	I	Xe
6	55	56	57	80	81	82	83	84	85	86
	Cs	Ba	La	Hg	Tl	Pb	Bi	Po	At	Rn
7	87	88	89							
	Fr	Ra	Ac							

Name: _____ Period: _____

5. The periodic table is organized into groups and periods of elements. The characteristics of a certain group of elements are listed below.

- Nonmetals
- Low boiling and melting points
- 7 valence electrons

Which of the following elements is a member of this group?

- A. Boron
- B. Bromine
- C. Magnesium
- D. Sulfur

6. An atom of a certain element has 27 protons, 27 electrons, and a mass number of 59. At room temperature this element is a shiny, silver-gray metal. How many neutrons are in this atom?

7. Which statement is true about electrons?

- A. Electrons contribute most of the mass of an atom.
- B. Electron placement determines an atom's reactivity.
- C. Electron placement determines properties such as luster.
- D. Electrons determine whether an atom is liquid at room temperature.