

Use the partial periodic table to answer questions 4 -7.

⁶
C
Carbon
12.0107

— Atomic number
 — Symbol
 — Name
 — Average Atomic Mass

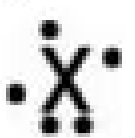
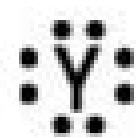
Partial Periodic Table of the Elements

1A	1 H Hydrogen 1.00794	2A	2 He Helium 4.0026
1	3 Li Lithium 6.941	2	4 Be Beryllium 9.0122
2	11 Na Sodium 22.989769	3	12 Mg Magnesium 24.3050
3	19 K Potassium 39.0983	4	20 Ca Calcium 40.078

3A	4A	5A	6A	7A	8A
13 B Boron 10.811	14 C Carbon 12.0107	15 N Nitrogen 14.0064	16 O Oxygen 15.9994	17 F Fluorine 18.9984	18 Ne Neon 20.1797
13 Al Aluminum 26.98154	14 Si Silicon 28.0855	15 P Phosphorus 30.9738	16 S Sulfur 32.065	17 Cl Chlorine 35.453	18 Ar Argon 39.948

Question 5

Suppose scientists discovered four new elements (W, X, Y, Z) while studying rock and soil samples brought back from a Mars mission. Which Lewis dot structure represents an element that should be placed in column VIIA (17) of the periodic table?

- A. 
- B. 
- C. 
- D. 

Partial Periodic Answer Physical Science Lab

L Cohen



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