

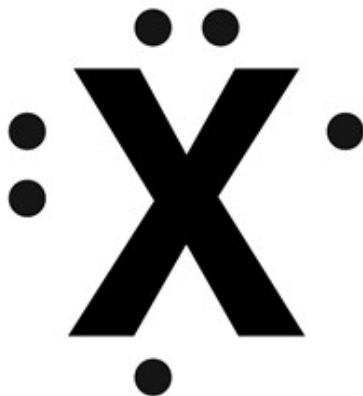
TEST NAME: **PSc 3.2 Lewis Dot Structures Spring 2018**
TEST ID: **2239177**
GRADE: **09 - Ninth Grade - 12 - Twelfth Grade**
SUBJECT: **Life and Physical Sciences**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

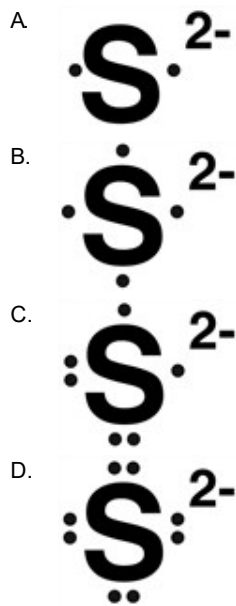
Date: _____

1. The Lewis dot diagram for an unidentified element is shown below.



Which element could X represent?

- A. iron
 - B. chlorine
 - C. silicon
 - D. oxygen
2. Which Lewis dot diagram correctly represents the anion of sulfur, S^{2-} ?

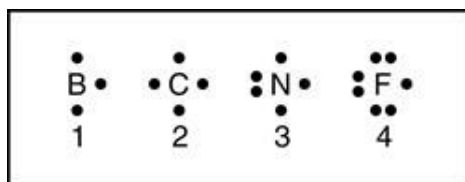


3. The electron dot diagrams of calcium and magnesium are shown.



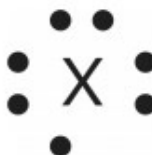
Both elements are in the same group of the Periodic Table. In what other way are these elements the same?

- A. Both elements have the same atomic mass.
B. Both elements have the same atomic number.
C. Both elements have the same number of valence electrons.
D. Both elements are in the same period on the periodic table.
4. The diagram below shows the Lewis dot structure for different elements.



An element is in group 15. Which of the diagrams above represents its Lewis dot structure?

- A. 1
B. 2
C. 3
D. 4
5. This is an electron dot diagram:



Which element is represented?

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