

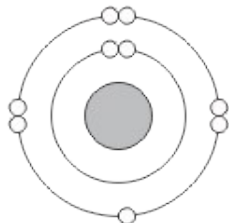
TEST NAME: **PSc 3.1 Atomic Structure Spring 2018**
TEST ID: **2239171**
GRADE: **09 - Ninth Grade - 12 - Twelfth Grade**
SUBJECT: **Life and Physical Sciences**
TEST CATEGORY: **School Assessment**

Student: _____

Class: _____

Date: _____

1. This diagram represents a neutral atom of fluorine-19.

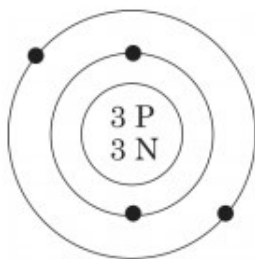


Which **best** describes the structure of fluorine-19?

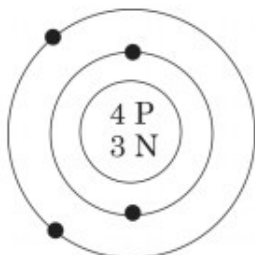
- A. 2 electrons in the first energy level; 7 electrons in the second energy level
- B. 2 electrons in the first energy level; 8 electrons in the second energy level
- C. 9 protons and 9 neutrons in the nucleus
- D. 10 protons and 9 neutrons in the nucleus

2. Which diagram most closely represents an atom of lithium?

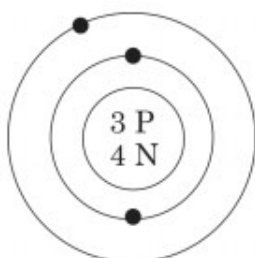
A.



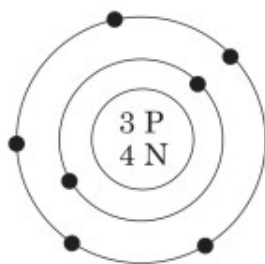
B.



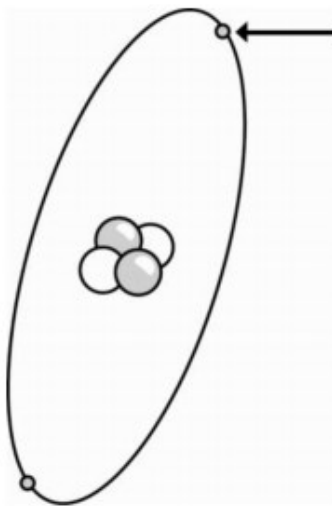
C.



D.

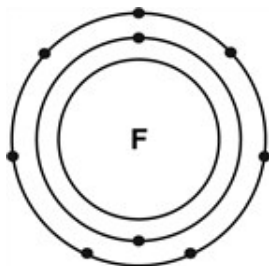


3. Use the picture of an atom below to answer the question.



Which statement *best* describes the part of the atom that is shown by the arrow?

- A. It is an electron and it has a positive charge.
 - B. It is an electron and it has a negative charge.
 - C. It is a proton and it has a positive charge.
 - D. It is a proton and it has a negative charge.
4. An atom of the element fluorine can be represented by the Bohr model shown below.

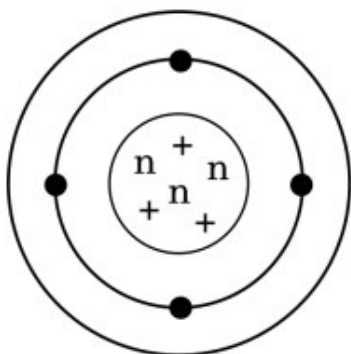


If the atomic mass of this atom is 19, how many neutrons are in the nucleus?

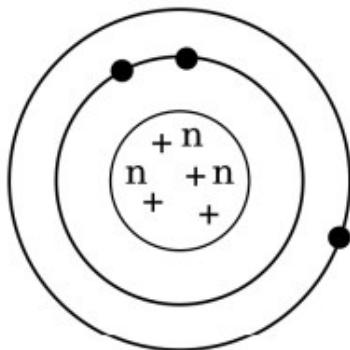
- A. 9
- B. 10
- C. 19
- D. 28

5. Which diagram represents a neutral atom?

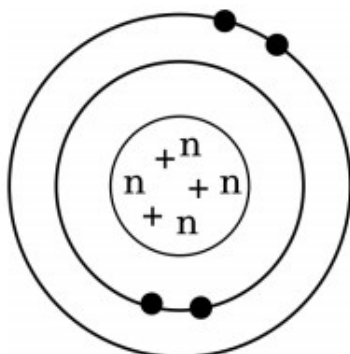
A.



B.



C.



D.

