



Calcium plays several critical roles in the functioning of human cells. However, this form of calcium is the ion made with 20 protons and 18 electrons. Therefore the ion would be ...

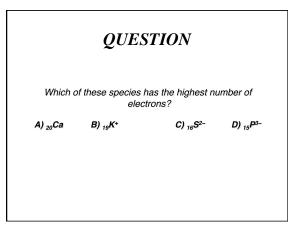
- A. positive and called an anion.
- B. positive and called a cation.
- C. negative and called an anion. D. negative and called a cation.

## **QUESTION**

Of the following, which would NOT qualify as an isotope of 35Cl?

- A. <sup>36</sup>Cl
- B. <sup>35</sup>Cl<sup>-</sup> C. <sup>37</sup>Cl<sup>-</sup>
- D. <sup>37</sup>Cl

Nuclear Symbol	Number of Protons	Number of Neutrons	Number of Electrons	Atomic Number (Z)	Mass Number (A
<sup>12</sup> <sub>6</sub> C	6	6	6	6	12
<sup>14</sup> N			7		
	7	8	7		
			18	20	40
17O <sup>2-</sup>				8	
<sup>56</sup> Fe			26		
<sup>19</sup> F-				9	



## QUESTION

## The ion <sup>45</sup>Sc<sup>3+</sup> has

A) 24 electrons, 21 protons and 24 neutrons
B) 18 electrons, 21 protons and 24 neutrons
C) 24 electrons, 24 protons and 21 neutrons
D) 18 electrons, 24 protons and 21 neutrons

