

Unit 2, Video 3: Ions

1. How many electrons are in a neutral atom of carbon-14?
2. What is the definition of a cation?
3. What is the definition of an anion?
4. True or False: An atom with more protons than electrons would be called a cation.
5. An ion has 16 protons and 18 electrons. What is the charge of this ion?
6. Fill in the missing information in the table below.

Isotope	Iron-56	Bromine-80		Argon-40
Charge	+3			0
Protons			20	
Neutrons			22	
Electrons		36	18	