

PARTS OF AN ATOM

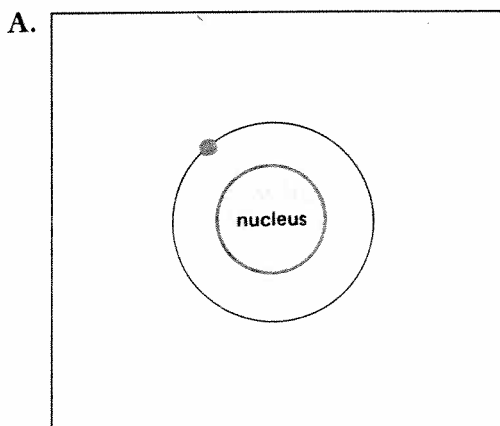
Name _____

Complete the following chart.

Element/ Ion	Atomic Number	Mass Number	Charge	Protons	Neutrons	Electrons
Mg						
K						
Na						
F						
Al						
H						
Ag ⁺						
S ²⁻						
Cl ⁻						
Be ²⁺						
O ²⁻						
He ⁰						

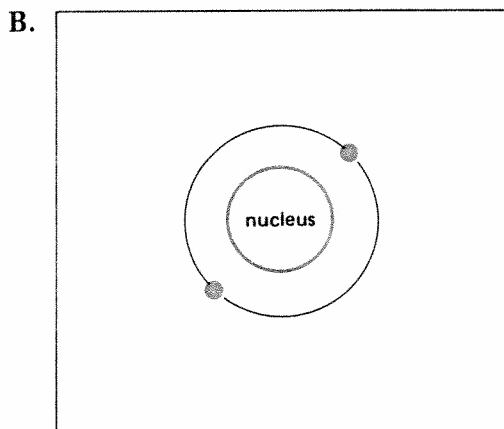
MORE ABOUT ELECTRONS - Bohr models

Each picture below shows how electrons are arranged in certain atoms. Look at each diagram. Then answer the questions.



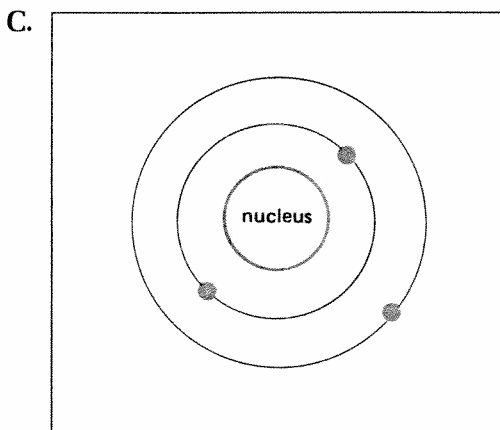
A. The atomic number of hydrogen is 1. Hydrogen is the simplest atom. It has only one electron.

1. How many electron shells does a hydrogen atom have? _____
2. What is this shell called? _____
3. Is this shell complete? _____



B. The atomic number of helium is 2. A helium atom has two electrons.

1. How many electron shells does a helium atom have? _____
2. What is this shell called? _____
3. Is the shell full? _____



C. The atomic number of lithium is 3. A lithium atom has three electrons.

1. How many electron shells does a lithium atom have? _____
2. What are these shells called? _____
3. Which one is the inner shell? _____
4. Is the inner shell full? _____
5. Which is the outer shell? _____
6. Is the outer shell full? _____