

HOW DO YOU DRAW A BOHR-RUTHERFORD MODEL OF THE ATOM?

A. The Nucleus - protons + neutrons

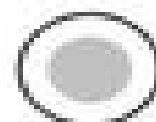


B. The Electrons



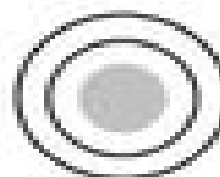
C. Practice Drawing Bohr-Rutherford Models of the Atom

1. Hydrogen is the simplest atom. It has only ____ electron



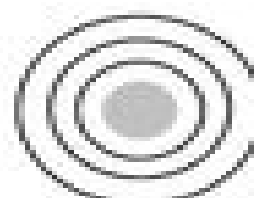
- a) How many electron shells does a hydrogen atom have? _____
- b) What is this shell called? _____
- c) Is this shell complete? _____

2. A lithium atom has ____ protons, ____ neutrons and ____ electrons.



- a) How many electron shells does a lithium atom have? _____
- b) What are these shells called? _____
- c) Which one is the inner shell? _____
- d) Is the inner shell full? _____
- e) Is the outer shell full? _____

3. a) How many protons ____ and neutrons ____ does sulphur have?



- b) How many electrons does sulphur have? _____
- c) How many electron shells does sulphur have? _____
- d) What is the first shell called? _____
- e) How many electrons does this shell have? _____
- f) What is the second shell called? _____
- g) How many electrons does it have? _____
- h) What is the third shell called? _____
- i) How many electrons does the third shell have? _____
- j) Is this shell full? _____