Bohr Model Diagrams

1. In the spaces provided, draw Bohr model diagrams for the five named elements.



2. Complete the Bohr model diagrams for the elements in Group 1 (alkali metals) shown below.



3. In what ways are the Bohr model diagrams for the alkali metals similar?

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4. Examine the rows of the periodic table. As the rows increase, what happens to the number of electron shells? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. How many electrons are there in the outer shell of a sulphur(S) atom? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. How many electron shells would you expect to find in a sulphur atom? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Identify the elements for the Bohr model diagrams are shown below.



(a) \_\_\_\_\_\_\_ (b) \_\_\_\_\_\_\_ (c) \_\_\_\_\_\_\_ (d) \_\_\_\_\_\_\_ (e) \_\_\_\_\_\_\_ (f) \_\_\_\_\_\_\_

Bohr Model Diagrams of the First 18 Elements:

Review Bohr model diagrams for the first 18 elements

