

1. Elements of the periodic table are divided into _____ number of blocks.

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2. _____ states that electrons occupy each levels singly before electron pairing takes place.

Hund's rule

3. Using IUPAC method of naming newly discovered elements, name the element with atomic number 105.

Unnilpentium

4. How did Dmitri Mendeleev arrange elements in his own way of organizing the elements?

He arranged the elements in order of their increasing atomic weight

5. Which of the following scientists is credited with creating the periodic table

Dmitri Mendeleev

6. The atomic number of bromine is 35, so it's electronic configuration is _____.

1s² 2s² 2p⁶ 3s² 3p⁶ 4s² 3d¹⁰ 4p⁵

7. Elements are arranged on the modern periodic table according to _____.

order of increasing atomic number

8. The earliest method of classification of elements was by _____.

classifying elements as metals or non-metals

9. Who proposed the Law of octave as a method of classification of the elements

John Newland

10. J.W. Dobereiner classified the elements known during his time into what he called _____.

triads

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