

Rutherford Bohr Diagram Worksheet

Name: _____

Date: _____

Hydrogen

Draw the Bohr-Rutherford diagrams for the atoms of each of the first 20 elements. Show protons (p) and neutrons (n) in the nucleus and use 'e' for electrons.

Helium

Note: Across a period, with more nuclear charge (+), the diameter shrinks and going down a group, as electron shells are added, the diameter grows. Later we will call this a Trend in Atomic Radius and it will explain why F is more reactive than Cl and why K is more reactive than Li

Lithium

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Sodium

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Potassium

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