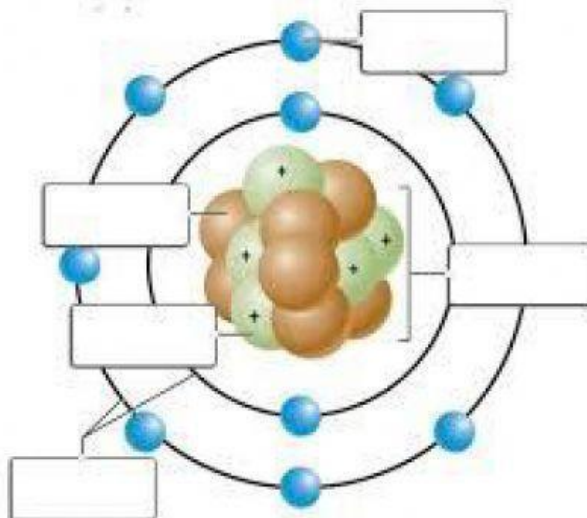


Label the following diagram:



Choose the correct answers:

Physical properties

Shells

Noble gases

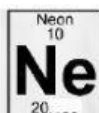
Chemical properties

Electrons

8

- 1) The number of shells affect the _____ of an element, while the number of electrons on the outermost shell affects the _____ of an element.
- 2) Elements in the same group have the same number of _____ in their outermost shell, while elements of the same period have the same number of _____.
- 3) All elements want to be stable like the _____, and to do so, they need _____ electrons on their outermost shell.

Complete:



Neon has _____ protons, _____ neutrons and _____ electrons. It is highly _____.