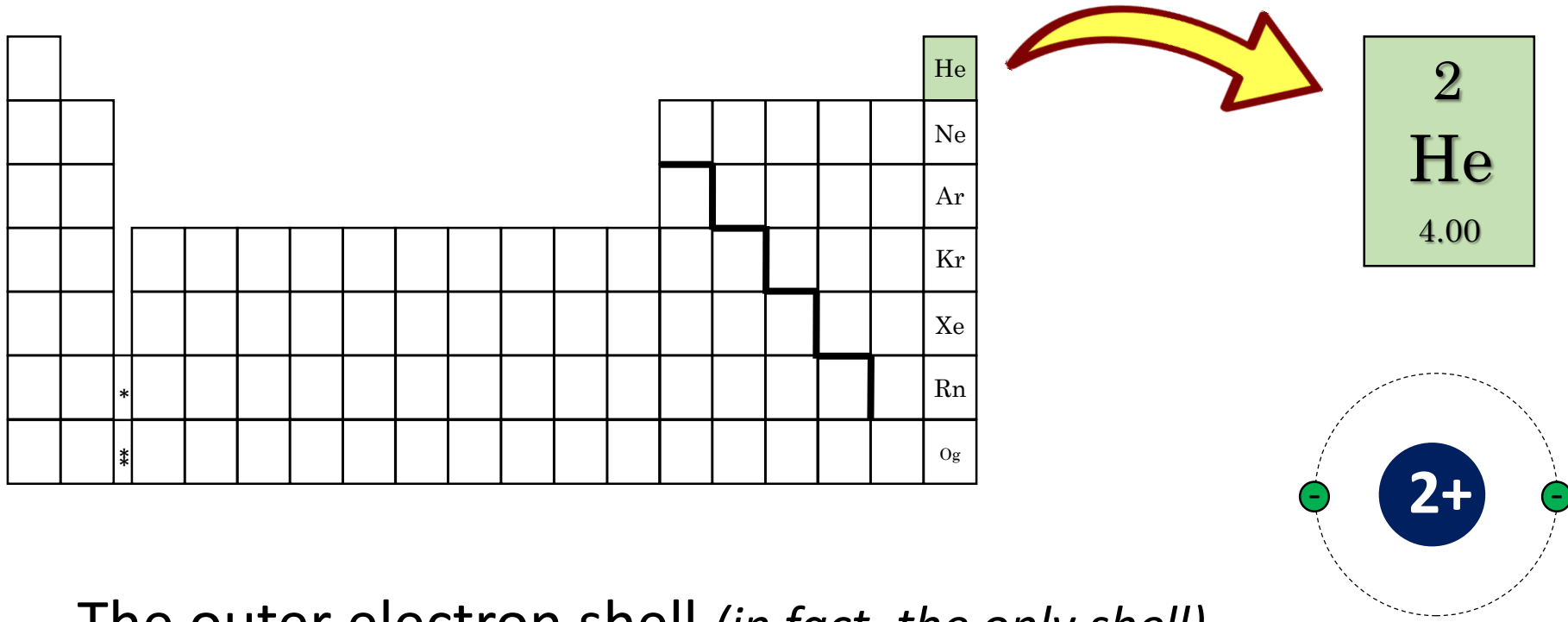
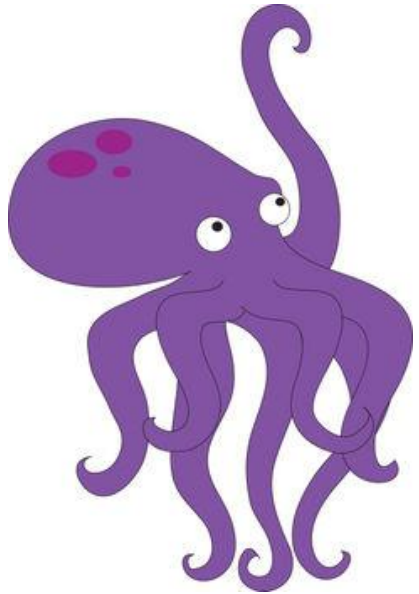


Octet Rule





The outer electron shell (*in fact, the only shell*) of a helium atom is full, with **2** electrons.



Octet Rule:

Atoms that contain 8 valence electrons are extremely stable.
(Often referred to as having a full outer shell)

Duet Rule:

An atom that has only 2 electrons (Helium) is also extremely stable.
(With only 2 electrons, the outer *only* shell is full)

Noble (Inert) Gases:

- Elements located in group VIIIA (8A, *or* 18) of the periodic table.
- The most stable of all elements.
- Almost never take part in chemical reactions.
- Almost never found in compounds.

8A

He

Ne

Ar

Kr

Xe

Rn

Og

