

VALENCE ELECTRONS

Copy what is underlined

1.Valence Electrons

- A. The electrons that are *farthest* away from the nucleus
- B. These e- are special because *they* are involved in *chemical reactions/bonding*

◎C. Held most *loosely*

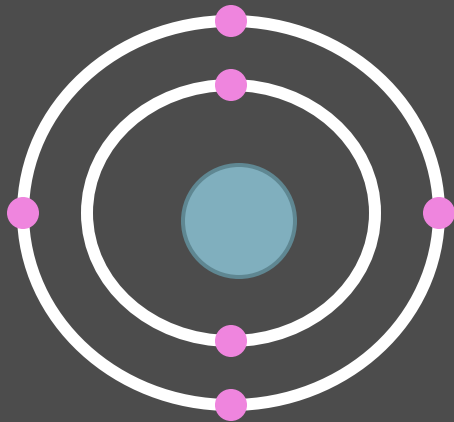
◎D. Can *transfer*

2. Elements in the same
group have:

- ⦿ Same number of valence
electrons

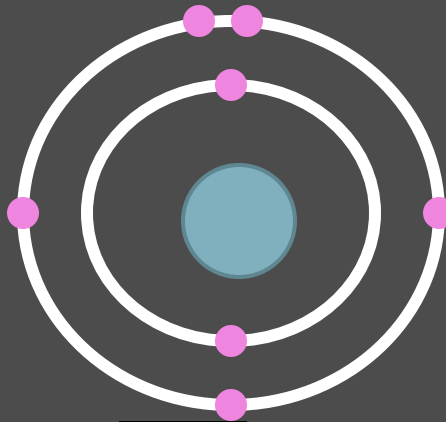
3.ELECTRON DOT DIAGRAMS

CARBON



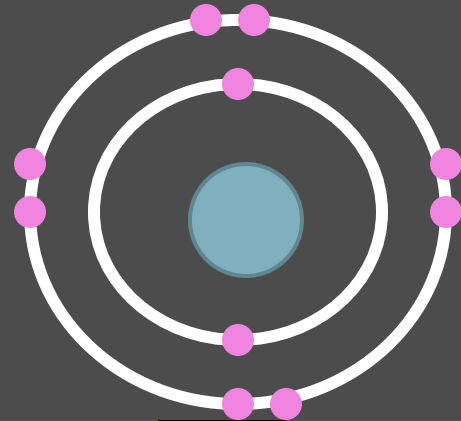
4 Valence e-

NITROGEN



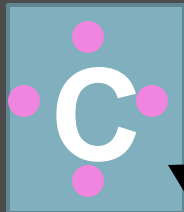
5

NEON



8

Draw
valence
e- around
symbol

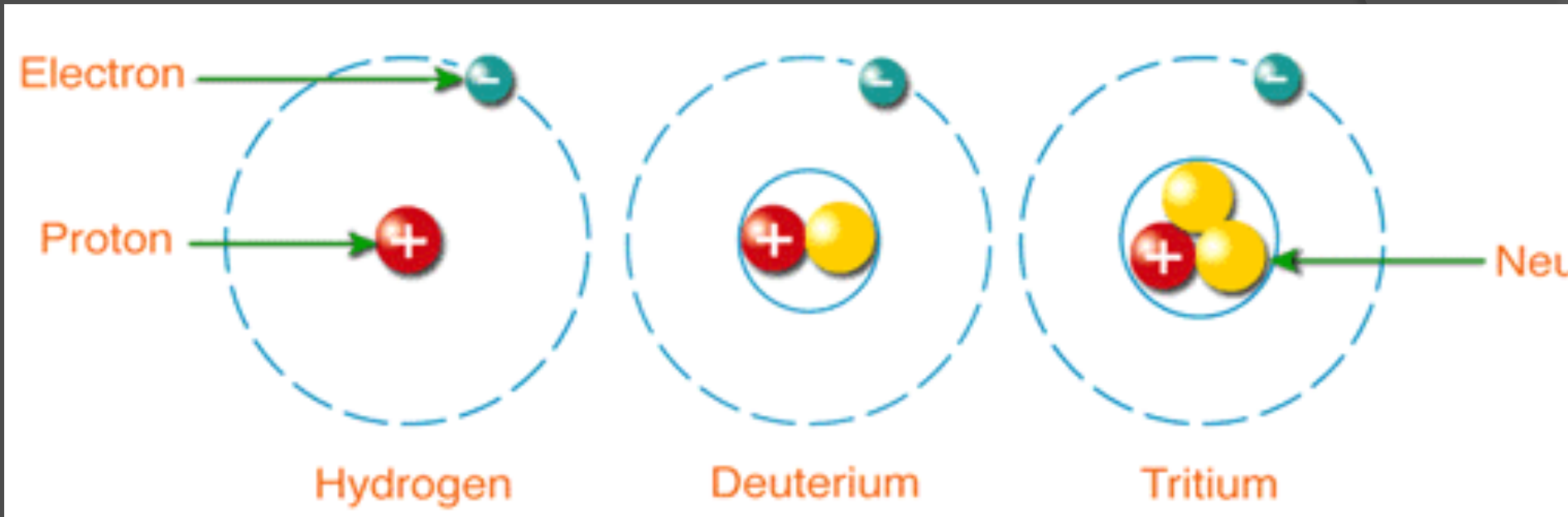


ELECTRON DOT
DIAGRAM

4. Extra info

- ⦿ A. Dark zigzag line on PT goes through semimetals
- ⦿ B. Elements in the same row/period, have the same number of shells
- ⦿ C. Isotopes have the same number of p^+ , but different number of n

ISOTOPE



- ⦿ What is overall charge of each?
 - NEUTRAL or 0
 - What particle is different?
 - NEUTRONS