

## Second directed work of biochemistry

### Chemical bonds

#### Exercise 1 :

**Question 1 :** Which of the following compounds contains both covalent and ionic bonds?

- a. NaOH
- b. NaBr
- c. NaNC
- d. NaCN

**Question 2 :** A chemical bonding between the two atoms which shares a single pair of an electron is :

- a. Ionic bond
- b. Single bond
- c. Double bond
- d. Triple bond

**Question 3 :** Which of the following compounds contains both polar and non-polar covalent bonds?

- a.  $\text{NH}_4\text{Br}$
- b.  $\text{H}_2\text{O}_2$
- c.  $\text{CH}_4$
- d. HF

**Exercise 2:** Determine what type of bond will unite the various molecules below (justify your answers):



