

## Week 1: Homework

جامعة الملك سعود  
كلية العلوم  
قسم الكيمياء

# Chem 240

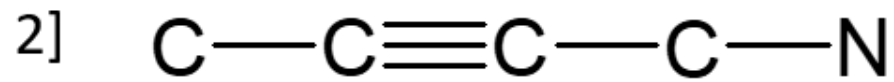
التقييم

اسم الطالبة: .....

الرقم الجامعي: .....

رقم التسلسل: .....

Q1: Given the skeletal structures:



and assuming that only hydrogen atoms are missing,

(a) Draw the correct structural formula and

(b) Write the molecular formula of the completed structures.

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A1:

Q2: Choose the correct answer:

1] Why do atoms bond?

- A. To empty their valence shell
- B. To become stable
- C. To gain one more electron
- D. To create a new element

2] What kind of bond transfers electrons?

- A. Ionic bond
- B. Metallic bond
- C. Covalent bond
- D. Polar covalent bond

3] How many electrons are involved in a single covalent bond?

- A. 3
- B. 1
- C. 2
- D. 4

4]What type of bond will form between fluorine and sodium?

- A. Metallic
- B. Ionic
- C. Polar covalent
- D. Nonpolar covalent

**Q3: Answer the following Question:**

Why an ionic bond is formed between two elements having large difference in their electro negativity?

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