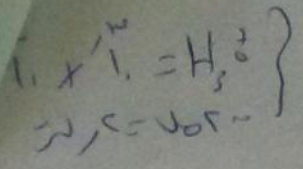




د. محمد بن سبيح  
٧١٦٩٧٦٤٩٤

السؤال الثالث :-

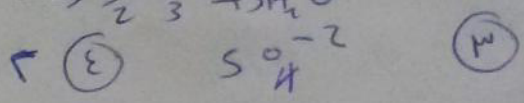
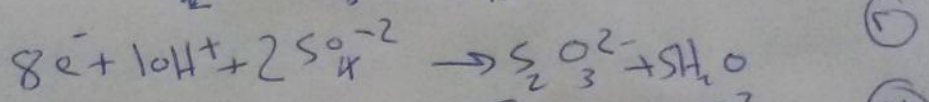
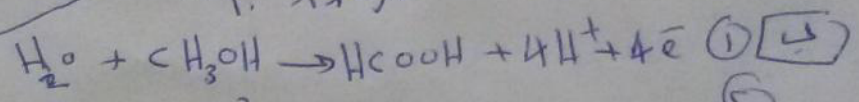


$$\frac{3 \times 1. + 2 \times 2.}{1. \times 1.} = 1. \times 3 \quad (1) \text{ P}$$

$$\begin{aligned} 1. \times 3 &= [NaOCl] \times 3 \\ 2. \times 2 &= 2 \times [H_2O] \end{aligned}$$

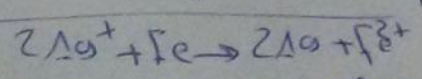
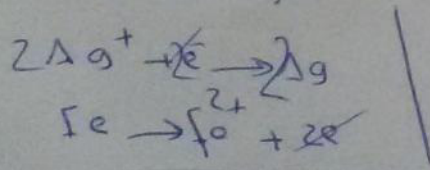
ن  
1. = [OH]  
2. = [H<sub>2</sub>O]

$$\begin{aligned} 3. \times 1. &= [H_3O^+] \times 3 \\ 4. \times 1. &= [H_3O^+] \end{aligned}$$



السؤال الرابع :-

$$\begin{aligned} 2 \times 1. &= 2Ag^+ \\ 2 \times 2. &= 2Ag \end{aligned} \quad (1) \text{ P}$$



$$2 \times 1. + 2 \times 2. = 4e^-$$

$$1 \times 2. = 2e^-$$

$$2 = 2$$

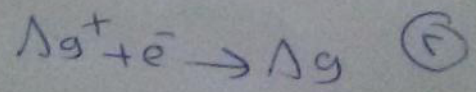
$$9 \times 1. = 9e^- \quad (1) \text{ L}$$

$$1 \times 2. = 2e^-$$

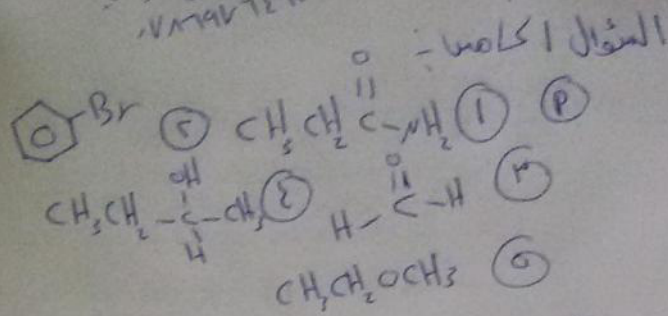
$$1 \times 3. = 3e^-$$

$$1 \times 4. = 4e^-$$

$$1 \times 5. = 5e^-$$

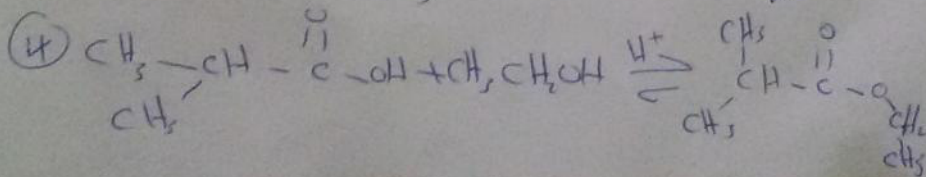
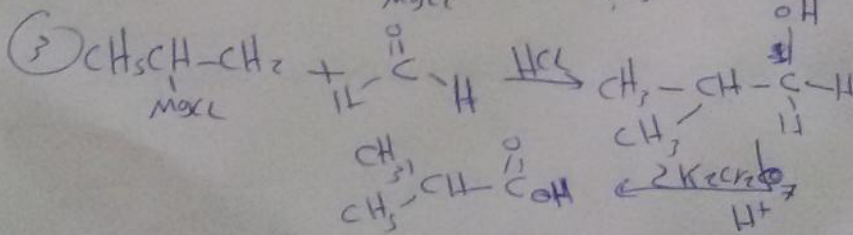
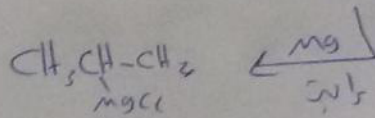
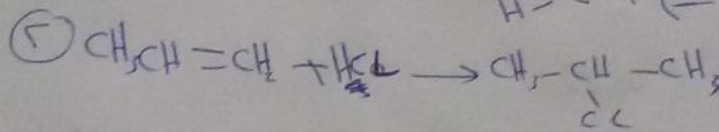
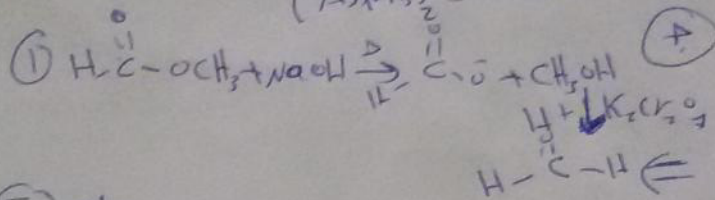


المقال الكاسا -  
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(٤) بإضافة محلول تولون يتفاعل مع البروماتان فيتكون  
 صرارة فضية والكتيون لا يتفاعل.

تولون  $(\Delta\text{g}(\text{H}_2))^+$



P  
٧٨٦٩٦٦٩٤

الحل :-

- ١) الفركتوز
- ٢) سكروز
- ٣) السستروبيزان
- ٤) سيليلوز
- ٥) أميلوز
- ٦) غلوكوز
- ٧) حمض أميني
- ٨) خلايا جوف