



ANSWER SHEET Sample Test v.1

Subject: Chemistry

Date:

City:

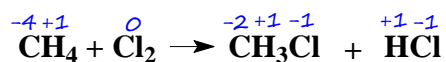
Part A: Multiple Choice Questions

1	a	b	c	d
2	a	b	c	d
3	a	b	c	d
4	a	b	c	d
5	a	b	c	d
6	a	b	c	d
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29	a	b	c	d
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34	a	b	c	d
35	a	b	c	d
36	a	b	c	d
37	a	b	c	d
38	a	b	c	d
39	a	b	c	d
40	a	b	c	d

Part B: Short Answer Questions

1. Identify the reducing and oxidizing agents in the redox reaction



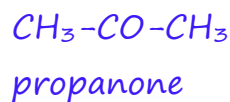
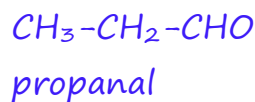
reducing agent $\overset{-4}{\text{C}} (\text{CH}_4)$

oxidizing agent $\overset{0}{\text{Cl}} (\text{Cl}_2)$

2. Write the equilibrium constant expression K_c for the process: $2\text{CO}_{2(g)} \rightleftharpoons 2\text{CO}_{(g)} + \text{O}_{2(g)}$

$$K_c = \frac{[\text{CO}]^2 \times [\text{O}_2]}{[\text{CO}_2]^2}$$

3. Draw the condensed structural (semi-structural) formulas of the compounds propanal and propanone.



4. Complete the following equation and name the products of the reaction:

