

## Answer Key

Testname: REVIEW QUESTIONS CHAPTER 4.TST

**SHORT ANSWER.** Write the word or phrase that best completes each statement or answers the question.

1) Kinetics

**ESSAY.** Write your answer in the space provided or on a separate sheet of paper.

2)  $\text{Cl}-\text{Cl} + \text{photon (}h\nu\text{)} \rightarrow 2 \text{Cl}\cdot$

**SHORT ANSWER.** Write the word or phrase that best completes each statement or answers the question.

3) radicals or free radicals

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

4) B

5) B

6) C

**ESSAY.** Write your answer in the space provided or on a separate sheet of paper.

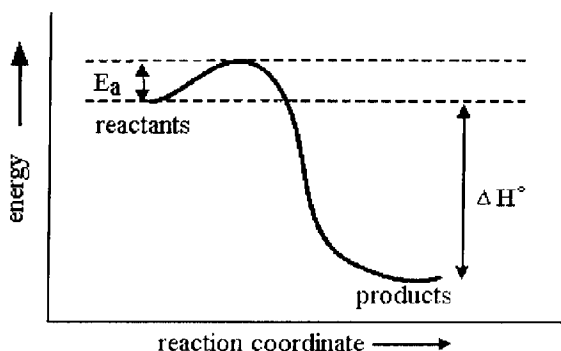
7)  $\text{rate} = k[\text{CH}_3\text{Br}][\text{I}^-]$

**SHORT ANSWER.** Write the word or phrase that best completes each statement or answers the question.

8) the activation energy or  $E_a$

**ESSAY.** Write your answer in the space provided or on a separate sheet of paper.

9)



10)  $(\text{CH}_3)_4\text{C}$  or neopentane or 2,2-dimethylpropane

11)  $\text{CH}_3\cdot < \text{CH}_3\text{CH}_2\cdot < (\text{CH}_3)_2\text{CH}\cdot < (\text{CH}_3)_3\text{C}\cdot < \text{CH}_2=\text{CHCH}_2\cdot$

12)  $\text{CH}_3\overset{\cdot}{\text{C}}\text{HCH}=\text{CH}_2 \leftrightarrow \text{CH}_3\text{CH}=\text{CH}\overset{\cdot}{\text{C}}\text{H}_2$

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

13) B

14) A