

# PHYSICAL SETTING CHEMISTRY

Wednesday, June 20, 2007 — 1:15 to 4:15 p.m., only

## ANSWER BOOKLET

Student ..... Sex:  Male  
 Female

Teacher .....

School ..... Grade .....

Answer all questions in Part B-2 and Part C. Record your answers  
in this booklet.

Part	Maximum Score	Student's Score
A	30	
B-1	20	
B-2	15	
C	20	
Total Written Test Score (Maximum Raw Score: 85)		<input type="text"/>
Final Score (from conversion chart)		<input type="text"/>
Raters' Initials:		
Rater 1 .....		Rater 2 .....

**Part B-2**

51-52

**Pressure Versus Volume  
of a Gas Sample**

53 \_\_\_\_\_ atm

**For Raters Only**

51

52

53

For Raters  
Only

54 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

54

55 \_\_\_\_\_ %

55

56

56

\_\_\_\_\_ J

57 \_\_\_\_\_  
\_\_\_\_\_

57

58 \_\_\_\_\_ J

58

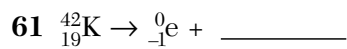
59 \_\_\_\_\_  $\text{KClO}_3(\text{s}) \rightarrow$  \_\_\_\_\_  $\text{KCl}(\text{s}) +$  \_\_\_\_\_  $\text{O}_2(\text{g})$

59

60 \_\_\_\_\_

60

**For Raters  
Only**



61

62 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

62

63

63

\_\_\_\_\_ g/L

**Total Score  
for Part B-2**

**Part C**

**For Raters  
Only**

64 \_\_\_\_\_

64

65 \_\_\_\_\_

\_\_\_\_\_

65

\_\_\_\_\_

66

66

\_\_\_\_\_ ppm

67 \_\_\_\_\_

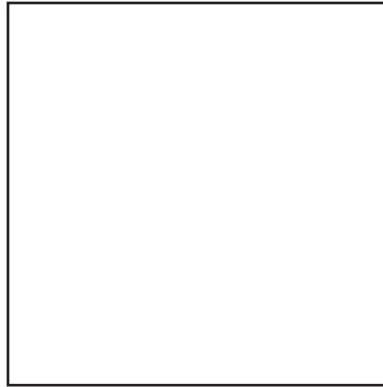
67

68 \_\_\_\_\_

68

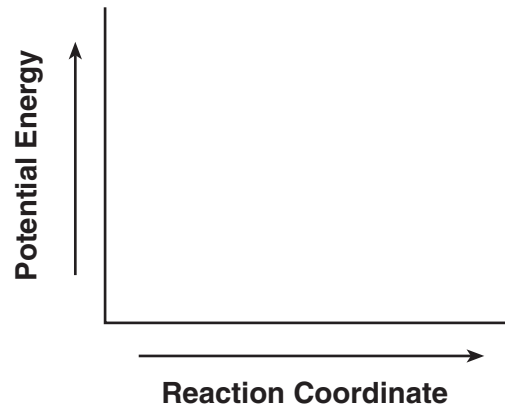
69

<b>Key</b>
○ = propane molecule



69

70



70

71 \_\_\_\_\_ kJ

71

72

72

**For Raters  
Only**

73 \_\_\_\_\_

73

74 \_\_\_\_\_

74

75 \_\_\_\_\_ °C

75

76 \_\_\_\_\_

76

77 \_\_\_\_\_ mol

77

78 \_\_\_\_\_

78

79 \_\_\_\_\_

79

\_\_\_\_\_

80 \_\_\_\_\_

80

81 \_\_\_\_\_ y

81

82 \_\_\_\_\_

82

\_\_\_\_\_

**Total Score  
for Part C**



