

PHYSICAL SETTING CHEMISTRY

Thursday, August 16, 2007 — 12:30 to 3:30 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	16	
C	19	
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		For Raters Only
51	_____	51 <input type="text"/>
52	_____	52 <input type="text"/>
53	_____	53 <input type="text"/>

**For Raters
Only**

54 _____

54

55

55

56 _____ %

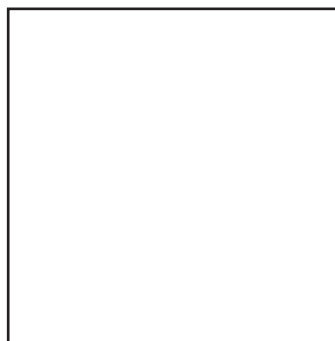
56

57 _____ °C

57

58

Key
○ = particle of the substance



58

59 _____ min

59

60 _____ kJ

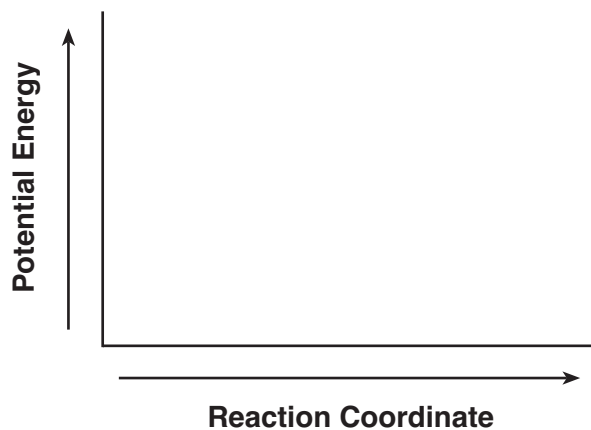
60

For Raters
Only

61

61

62

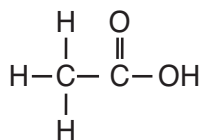


62

63

63

64



64

65

65

66

66

Total Score
for Part B-2

Part C

**For Raters
Only**

67

67

68 _____

68

69 _____

69

70 _____

70

71 _____ **g/mol**

71

72 _____

72

For Raters
Only

73 _____

73


74

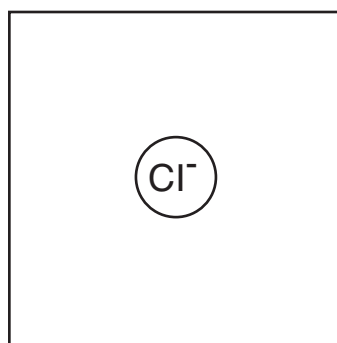
74

75 _____

75

76

Key	
●	= hydrogen atom
○	= oxygen atom
	= water molecule



76

77 _____

77

For Raters
Only

78 _____

78

79

79

_____ M

80 $\text{NaOH(aq)} + \text{HNO}_3\text{(aq)} \rightarrow$ _____ + _____

80

81 _____ y

81

82 ${}^{14}_6\text{C} \rightarrow {}^0_{-1}\text{e} +$ _____

82

83 _____

83

84 _____

84

Total Score
for Part C

