

PHYSICAL SETTING CHEMISTRY

Tuesday, June 17, 2008 — 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	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	$\text{HCl}(\text{aq}) + \text{KOH}(\text{aq}) \rightarrow \text{_____} + \text{_____}$	51 <input type="text"/>
52		52 <input type="text"/>

For Raters
Only

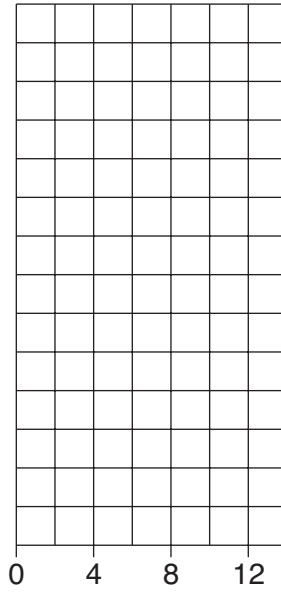
53 _____

53

54

**Cooling Curve
for Stearic Acid**

Temperature (°C)



54

55 _____ g/mol

55

56

56

57 _____ g

57

58 _____

58

**For Raters
Only**

59 _____

59

60 _____

60

61 Molecular polarity: _____

Intermolecular forces: _____

61

62 _____

62

63 _____

63

64 _____

64

**Total Score
for Part B-2**

Part C

**For Raters
Only**

65 _____

65

66

66

67

67

_____ 68

For Raters Only

68 pH between _____ and _____

68

69 _____ mol/L

69

70 _____

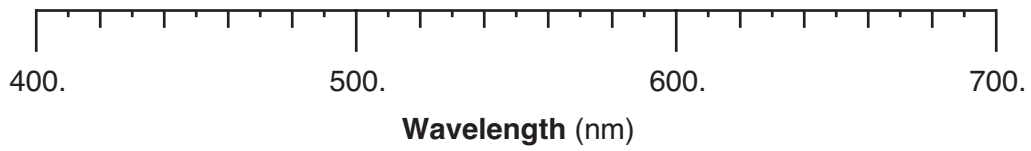
70

71

71

_____ ppm

72

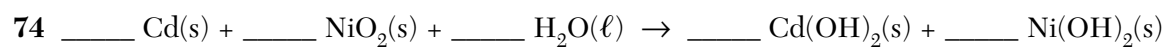


72

73 _____

73

**For Raters
Only**



74

75 From _____ to _____

75

76 _____

76



77

78 _____

78

79 _____

79

**Total Score
for Part C**

PS/CHEMISTRY

PS/CHEMISTRY