

PHYSICAL SETTING CHEMISTRY

Thursday, January 27, 2005 — 9:15 a.m. to 12:15 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		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 _____ mol

57

58 _____

58

59

59

60 _____

60

61 _____

61

62 _____

62

**For Raters
Only**

63

63

64 _____

64

65 _____ %

65

**Total Score
for Part B-2**

Part C

**For Raters
Only**

66

66

67

67

68

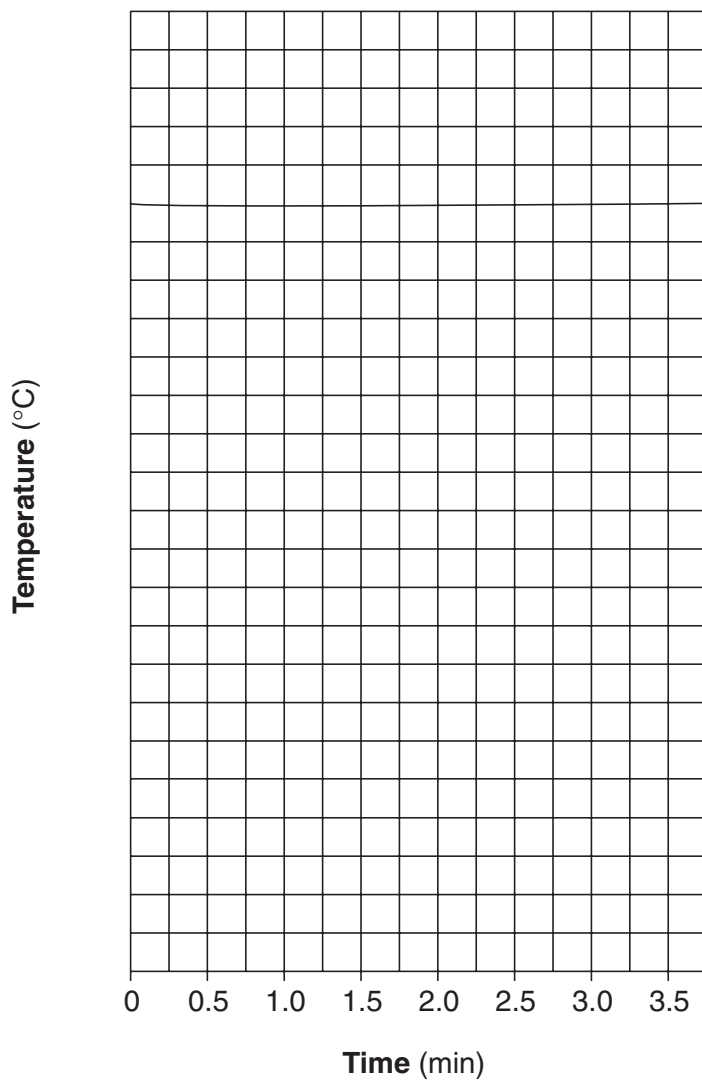
68

69

69

70 and 71

Change in Temperature During the Dissolving of a Solid



70

71

72 a _____

72a

b _____

b

For Raters
Only

73

73

74

Data Table

Quantity Measured	Data (units are given)
Mass of copper	g
Temperature of hot copper	°C
Mass of H ₂ O in calorimeter	g
Initial temperature of H ₂ O in calorimeter	°C
Final temperature of H ₂ O and copper	°C

74

75

75

76

76

**For Raters
Only**

77 _____

77

78 _____ g/mol

78

79 _____

79

80 _____

80

81 _____

81

82 $^{137}_{55}\text{Cs} \rightarrow$ _____ + _____

82

83 _____ g

83

84 _____

84

**Total Score
for Part C**

