

# PHYSICAL SETTING CHEMISTRY

Wednesday, June 17, 2009 — 1:15 to 4:15 p.m., only

## ANSWER BOOKLET

Student..... Sex:  Male  
 Female

Teacher.....

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

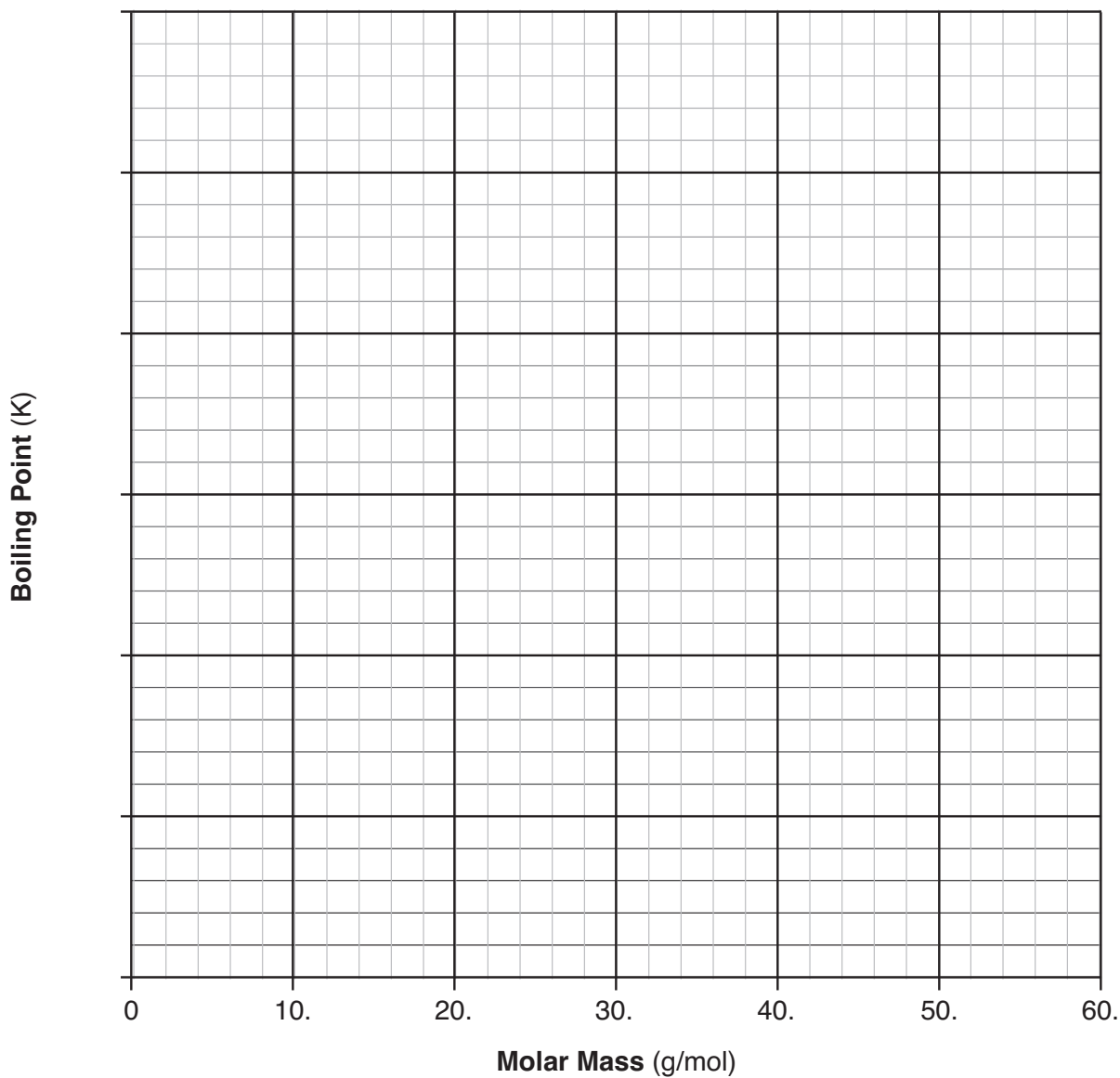
Answer all questions in Part B-2 and Part C. Record your answers  
in this booklet.

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		For Raters Only
51		51 <input type="text"/>
52	_____ °C	52 <input type="text"/>
53	_____ _____	53 <input type="text"/>

54 and 55

### Boiling Point at 1 atm Versus Molar Mass



54

55

56 \_\_\_\_\_

56

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57 \_\_\_\_\_

57

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**For Raters  
Only**

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60

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62

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62

**For Raters  
Only**

**63** Similarity: \_\_\_\_\_

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**63**

Difference: \_\_\_\_\_

\_\_\_\_\_

**64**

**64**

**65**

**65**

**Total Score  
for Part B-2**

**Part C**

**For Raters Only**

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67 \_\_\_\_\_

67

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68 \_\_\_\_\_

68

69 \_\_\_\_\_ y

69

70  $^{137}_{55}\text{Cs} \rightarrow ^0_{-1}\text{e} + \text{_____}$

70

71 \_\_\_\_\_

71

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\_\_\_\_\_

72 \_\_\_\_\_

72

73 \_\_\_\_\_

73

\_\_\_\_\_

**For Raters  
Only**



74

75

75

76 \_\_\_\_\_  
\_\_\_\_\_

76

77 \_\_\_\_\_

77

78

78

\_\_\_\_\_ **M**

**For Raters  
Only**

79 \_\_\_\_\_ g

79

80 \_\_\_\_\_ kg

80

81 \_\_\_\_\_

81

82 \_\_\_\_\_

\_\_\_\_\_

82

\_\_\_\_\_

83

83

\_\_\_\_\_ %

**Total Score  
for Part C**

PS/CHEMISTRY

PS/CHEMISTRY