

# PHYSICAL SETTING CHEMISTRY

Tuesday, August 17, 2004 — 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	33	
B-1	17	
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 Group _____ and Period _____		51 <input type="text"/>
52 _____ mol		52 <input type="text"/>
53		53 <input type="text"/>

**For Raters  
Only**

**54**

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**56**

**57**

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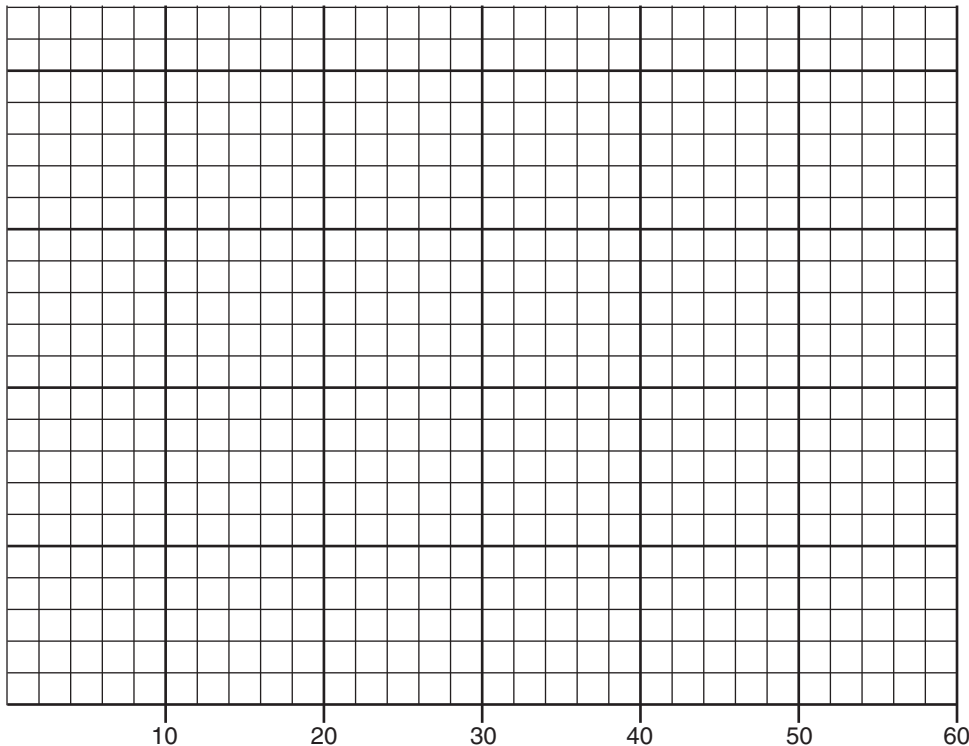
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**57**

58 and 59

Electronegativity



58

59

60 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

60

61 \_\_\_\_\_ g/mol

61

62

62

**For Raters  
Only**

**63**

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**63**

**64**

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**64**

**65**

**65**

**Total Score  
for Part B-2**

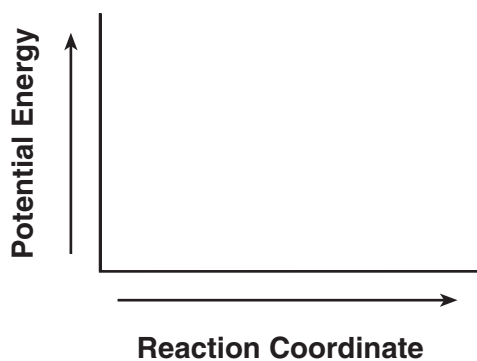
Part C

For Raters Only



66

67



67

68  $\underline{\hspace{2cm}}$

68

69  $\underline{\hspace{2cm}} \text{ } ^\circ\text{C}$

69

70  $\underline{\hspace{2cm}}$  electrons

70

71  $\underline{\hspace{70cm}}$   
 $\underline{\hspace{70cm}}$   
 $\underline{\hspace{70cm}}$

71

72  $\underline{\hspace{30cm}}$

72

73  $\underline{\hspace{30cm}}$

73

74  $\underline{\hspace{30cm}}$  and  $\underline{\hspace{30cm}}$

74

75  $\underline{\hspace{70cm}}$   
 $\underline{\hspace{70cm}}$   
 $\underline{\hspace{70cm}}$

75

**For Raters  
Only**

76 \_\_\_\_\_

76

77 \_\_\_\_\_

77

78 \_\_\_\_\_

78

79 \_\_\_\_\_

79

80  $X$   $Y$   $Z$

80

81 \_\_\_\_\_

81

82 \_\_\_\_\_

82

83  ${}^{226}_{88}\text{Ra} \rightarrow$  \_\_\_\_\_  $+$  \_\_\_\_\_

83

84 \_\_\_\_\_

84

\_\_\_\_\_

\_\_\_\_\_

85 \_\_\_\_\_  $y$

85

**Total Score  
for Part C**



