

# PHYSICAL SETTING CHEMISTRY

Tuesday, August 16, 2005 — 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	17	
C	18	
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	_____ kJ	53 <input type="text"/>
54	_____ kJ	54 <input type="text"/>
55	_____ _____ _____	55 <input type="text"/>

56

56

57 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

57

58 \_\_\_\_\_ °C

58

59 \_\_\_\_\_

59

60 \_\_\_\_\_

60

61 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

61

**For Raters  
Only**

**62**

**62**

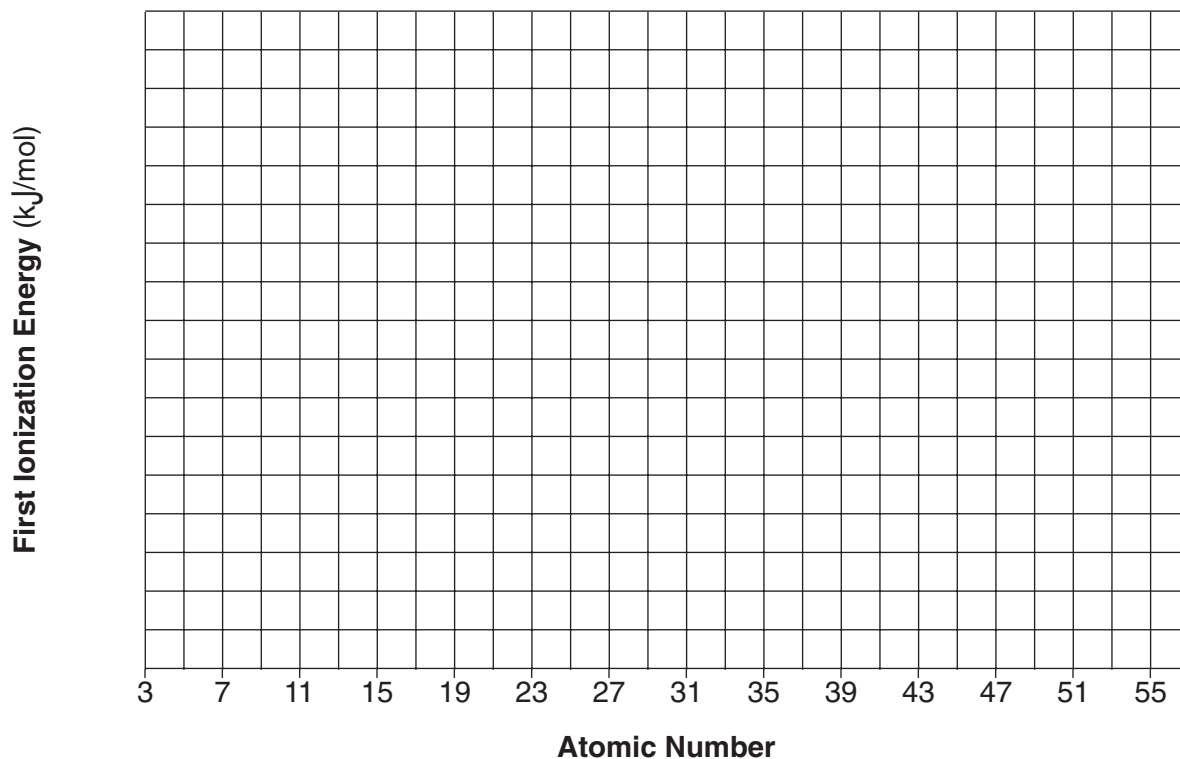
**63**

**63**

For Raters  
Only

64 and 65

### First Ionization Energy Versus Atomic Number of Selected Elements



64

65

66 \_\_\_\_\_

66

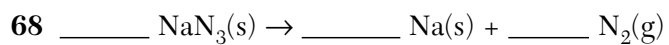
67 \_\_\_\_\_

67

Total Score  
for Part B-2

**Part C**

**For Raters Only**



68

69 \_\_\_\_\_ **mol**

69

70 \_\_\_\_\_ **g**

70

71 \_\_\_\_\_

71

72 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

72

73 \_\_\_\_\_

73

74 \_\_\_\_\_

74

75 \_\_\_\_\_

\_\_\_\_\_

75

76 \_\_\_\_\_

76

**For Raters  
Only**

77 \_\_\_\_\_ mL

77

78

78

79 \_\_\_\_\_

79

80 \_\_\_\_\_

80

\_\_\_\_\_

81 \_\_\_\_\_

81

82 \_\_\_\_\_

82

83  ${}^{14}_6\text{C} \rightarrow \text{_____} + {}^0_{-1}\text{e}$

83

84 \_\_\_\_\_

84

\_\_\_\_\_

\_\_\_\_\_

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

85

**Total Score  
for Part C**



