

PHYSICAL SETTING CHEMISTRY

Wednesday, June 22, 2005 — 1:15 to 4:15 p.m., only

ANSWER BOOKLET

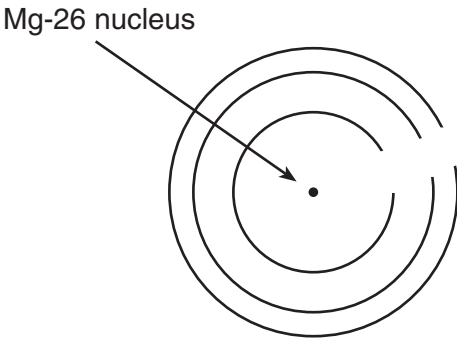
Student Sex: Male
 Female

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	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		

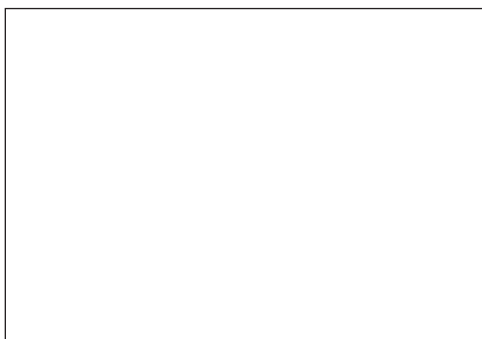
Part B-2		For Raters Only
51 _____		51 <input type="text"/>
52		52 <input type="text"/>
53 _____ _____ _____		53 <input type="text"/>

For Raters
Only

54 _____ mol

54

55

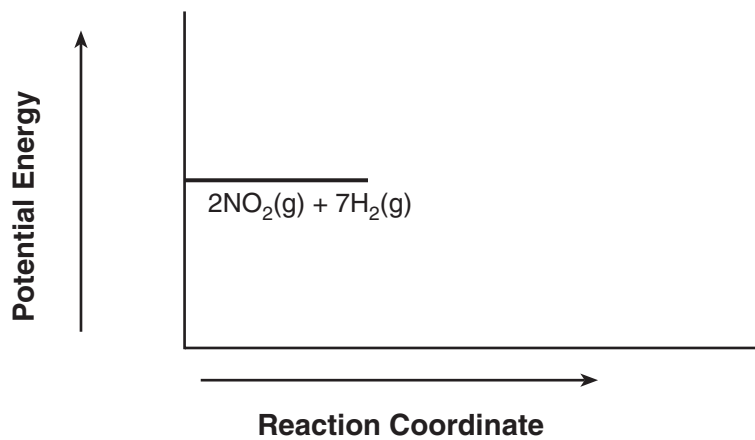


55

56

56

57



57

58

58

For Raters
Only

59 _____

59

60

60

61

Element	Number of Protons	Number of Neutrons	Mass Number	Nuclide
C	6	6	12	C-12
N	7	9	16	N-16
Ne	10			
S	16	16	32	S-32

61

62 _____

62

63 _____

63

64 ${}^{16}_7\text{N} \rightarrow$ _____ + _____

64

Total Score
for Part B-2

Part C

For Raters Only

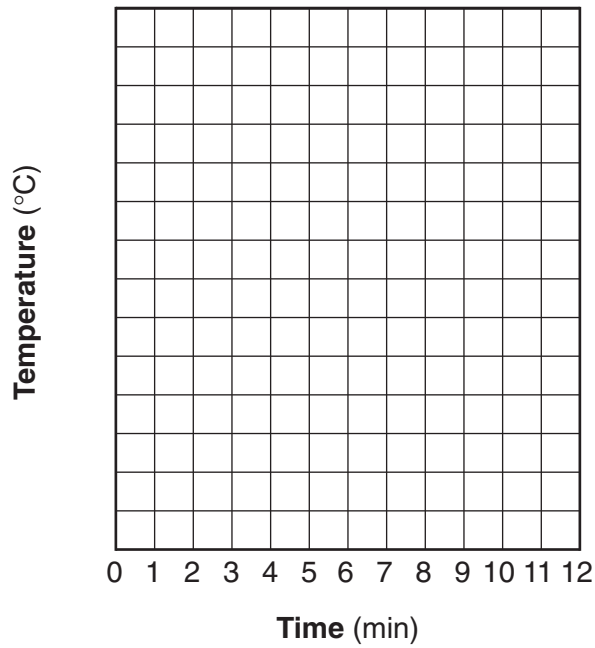
65 Conclusion 1: _____

Conclusion 2: _____

65

66 and 67

Heating Curve



66

67

68 _____ °C

68

**For Raters
Only**

69 _____

69

70 _____ J

70

71 _____ mol

71

72 _____

72

73 _____

73

74 _____ HNO_3 + _____ $\text{Ca(OH)}_2 \rightarrow$ _____ $\text{Ca(NO}_3)_2$ + _____ H_2O

74

75 _____

75

76 _____ M

76

**For Raters
Only**

77 _____ mol

77

78 _____

78

79

79

80 _____

80

81 _____

81

82 _____

82

83 _____

83

**Total Score
for Part C**

