

PHYSICAL SETTING CHEMISTRY

Wednesday, August 13, 2008 — 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	18	
C	17	
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	Method and explanation 1: _____ _____ _____	53 <input type="text"/>
	Method and explanation 2: _____ _____ _____	

**For Raters
Only**

54 _____

54

55 _____

55

56 _____

56

57

57

58 _____ °C

58

59

59

_____ J

**For Raters
Only**

60 _____

60

61 _____

61

62

62

63 _____ Mg(s) + _____ HCl(aq) → _____ MgCl₂(aq) + _____ H₂(g)

63

64 _____

64

65

65

_____ mL

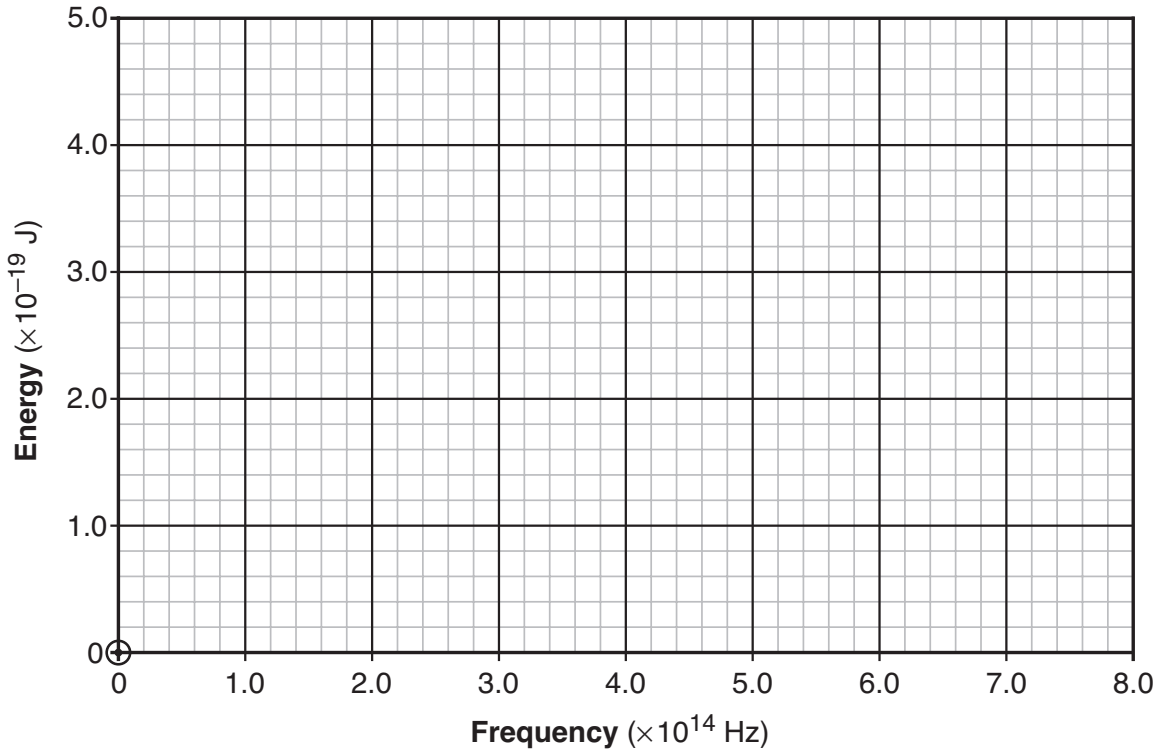
**Total Score
for Part B-2**

Part C

For Raters Only

66

Light Energy Versus Frequency



66

67 _____ $\times 10^{-19}$ J

67

68 _____

68

69 _____

69

**For Raters
Only**

70

70

71

_____ **cm³**

71

72

72

For Raters Only

73

Key
○ = propane molecule



73

74

74

_____ g

75 _____ mol

75

76 _____

76

**For Raters
Only**

77

77

78

78

79

79

80

80

**Total Score
for Part C**

PS/CHEMISTRY

PS/CHEMISTRY