

# PHYSICAL SETTING CHEMISTRY

Wednesday, August 16, 2006 — 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  | 15            |                      |
| C  | 20            |                      |
| <b>Total Written Test Score</b><br>(Maximum Raw Score: 85) |               | <input type="text"/> |
| <b>Final Score</b><br>(from conversion chart)              |               | <input type="text"/> |
| <b>Raters' Initials:</b><br>Rater 1 ..... Rater 2 .....    |               |                      |

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

For Raters  
Only

53 \_\_\_\_\_

53

54 \_\_\_\_\_

54

55 \_\_\_\_\_

55

\_\_\_\_\_

\_\_\_\_\_

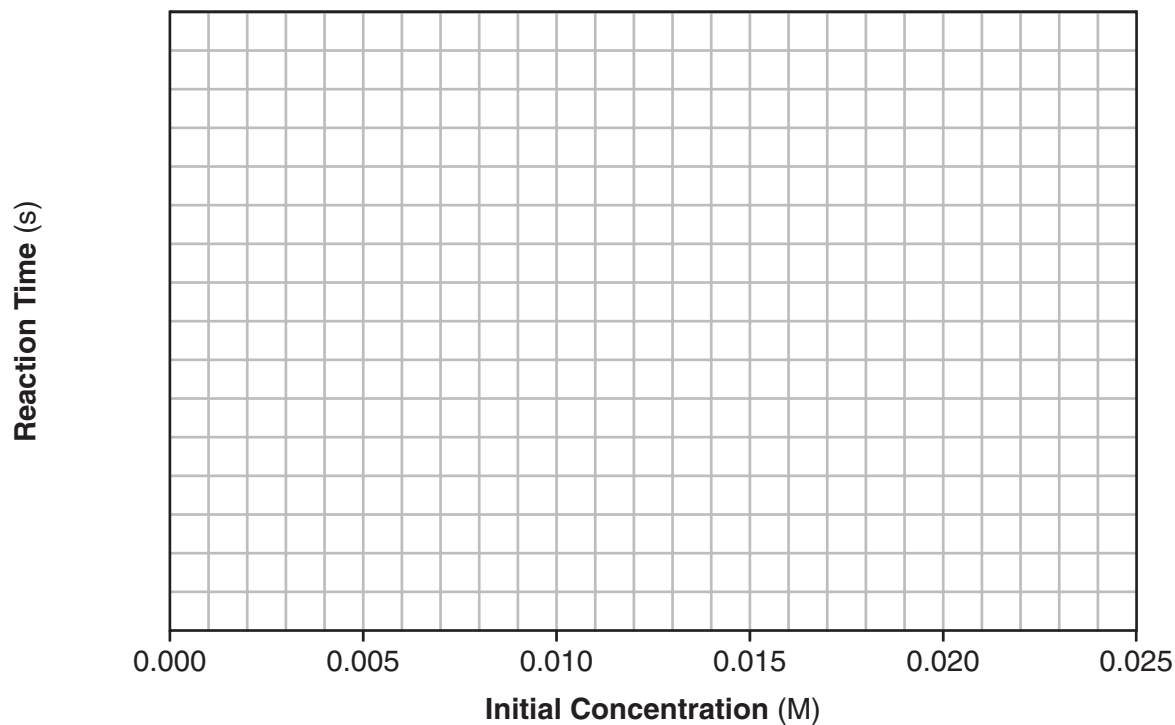
56 \_\_\_\_\_

56

\_\_\_\_\_

57 and 58

Reaction Time Versus Initial Concentration



57

58

**For Raters  
Only**

59

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59

60

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60

61

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61

62

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62

63

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

63

64

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64

65

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65

**Total Score  
for Part B-2**

### Part C

For Raters  
Only



66

67 \_\_\_\_\_

67

68 \_\_\_\_\_

68

69 \_\_\_\_\_

69

\_\_\_\_\_

\_\_\_\_\_

70 \_\_\_\_\_

70

\_\_\_\_\_

\_\_\_\_\_

71 \_\_\_\_\_

71

72 \_\_\_\_\_ °C

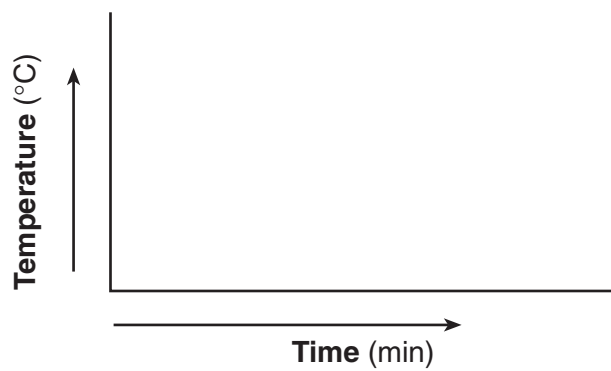
72

73 \_\_\_\_\_

73

\_\_\_\_\_

74



74

75 \_\_\_\_\_ K

75

76 \_\_\_\_\_ mL HCl(aq) and \_\_\_\_\_ mL NaOH(aq)

76

77

77

78

78

79 \_\_\_\_\_

79

**For Raters  
Only**

80

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80

81

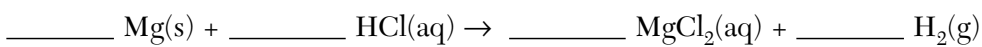
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81

82



82

83

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83

84

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84

85

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85

**Total Score  
for Part C**



