

# PHYSICAL SETTING CHEMISTRY

Tuesday, June 24, 2014 — 9:15 a.m. to 12:15 p.m., only

ANSWER BOOKLET

Male

Student ..... Sex:  Female

Teacher .....

School ..... Grade .....

**Record your answers for Part B–2 and Part C in this booklet.**

**Part B–2**

51

52

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53

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54

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55

\_\_\_\_\_ M

56

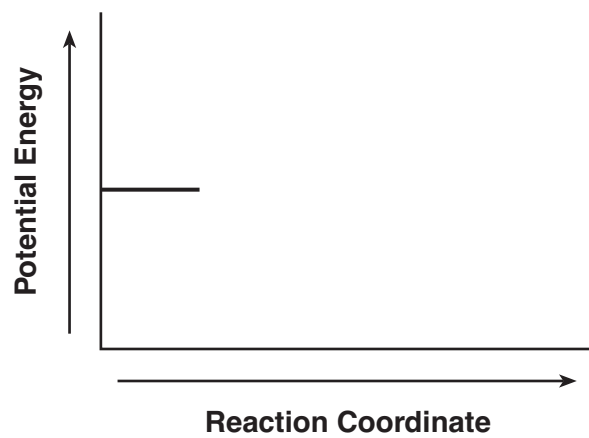
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57

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58



59 \_\_\_\_\_

60 \_\_\_\_\_ °C

61 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

62 \_\_\_\_\_

63 \_\_\_\_\_ Zn(s) + \_\_\_\_\_ Fe<sup>3+</sup>(aq) → \_\_\_\_\_ Zn<sup>2+</sup>(aq) + \_\_\_\_\_ Fe(s)

64 \_\_\_\_\_

65 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Part C**

66 \_\_\_\_\_

67 \_\_\_\_\_  
\_\_\_\_\_

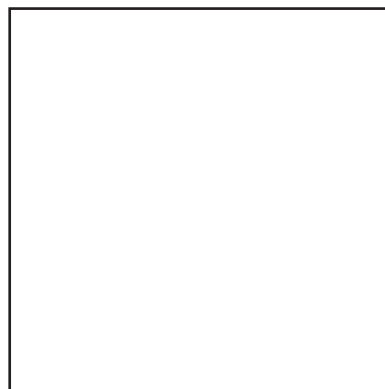
68 \_\_\_\_\_

69 \_\_\_\_\_  
\_\_\_\_\_

70 \_\_\_\_\_ mol

71

<b>Key</b>
○ = CO <sub>2</sub> molecule



72

73

74 \_\_\_\_\_  
\_\_\_\_\_

75 \_\_\_\_\_ g

76 \_\_\_\_\_

77  $\text{KOH}(\text{aq}) + \text{HCl}(\text{aq}) \rightarrow$  \_\_\_\_\_

78 \_\_\_\_\_ M

79 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

80 \_\_\_\_\_  
\_\_\_\_\_

81 \_\_\_\_\_

82 \_\_\_\_\_  
\_\_\_\_\_

83 \_\_\_\_\_  
\_\_\_\_\_

84 \_\_\_\_\_

85  ${}^3_1\text{H} \rightarrow {}^0_{-1}\text{e} +$  \_\_\_\_\_



