

# PHYSICAL SETTING CHEMISTRY

Wednesday, June 20, 2012 — 1:15 to 4:15 p.m., only

ANSWER BOOKLET

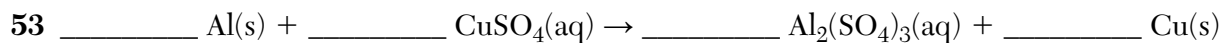
Student ..... Sex:  Male  
 Female  
Teacher .....  
School ..... Grade .....

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

Part B–2

51 \_\_\_\_\_ g

52 \_\_\_\_\_



54 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

55 \_\_\_\_\_ g

56 \_\_\_\_\_

57

58 \_\_\_\_\_

\_\_\_\_\_

59 \_\_\_\_\_ M

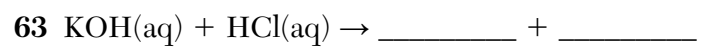
60 \_\_\_\_\_

\_\_\_\_\_

61 \_\_\_\_\_

62 \_\_\_\_\_

\_\_\_\_\_



64 \_\_\_\_\_  
\_\_\_\_\_

65 \_\_\_\_\_ M

**Part C**

**66**

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**67**

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**68**

**69**

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**70**

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**71**

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72

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73

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74

\_\_\_\_\_ mol

75

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76

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77

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78

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79 \_\_\_\_\_

80 \_\_\_\_\_

81 \_\_\_\_\_ and \_\_\_\_\_

82 \_\_\_\_\_

\_\_\_\_\_

83

Nuclide	Total Number of Protons	Total Number of Neutrons
${}^1_1\text{H}$		
${}^3_1\text{H}$		

84  ${}^{235}_{92}\text{U} + {}^1_0\text{n} \rightarrow {}^{142}_{56}\text{Ba} + {}^{91}_{36}\text{Kr} + 3$  \_\_\_\_\_ + energy

85 \_\_\_\_\_

\_\_\_\_\_



