

# Large-Type Edition

The University of the State of New York  
REGENTS HIGH SCHOOL EXAMINATION

## PHYSICAL SETTING CHEMISTRY

Tuesday, August 20, 2024 — 8:30 to 11:30 a.m., only

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### ANSWER BOOKLET

Student .....

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

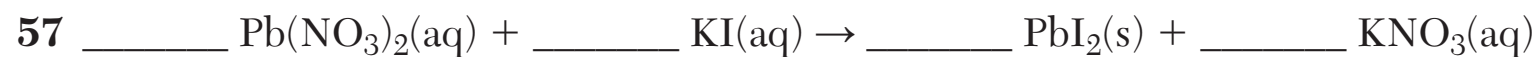
54 \_\_\_\_\_

55 \_\_\_\_\_

56 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



58 \_\_\_\_\_

59 \_\_\_\_\_ **g/mol**

60 \_\_\_\_\_

61 \_\_\_\_\_ **kPa**

62 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

63 \_\_\_\_\_

64

65 \_\_\_\_\_

### Part C

66 Most active metal: \_\_\_\_\_

Least active metal: \_\_\_\_\_

67 \_\_\_\_\_

68 \_\_\_\_\_

69 \_\_\_\_\_

70 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

71 \_\_\_\_\_

72 \_\_\_\_\_

73 \_\_\_\_\_ mol

74 \_\_\_\_\_ ppm

75 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

76 \_\_\_\_\_

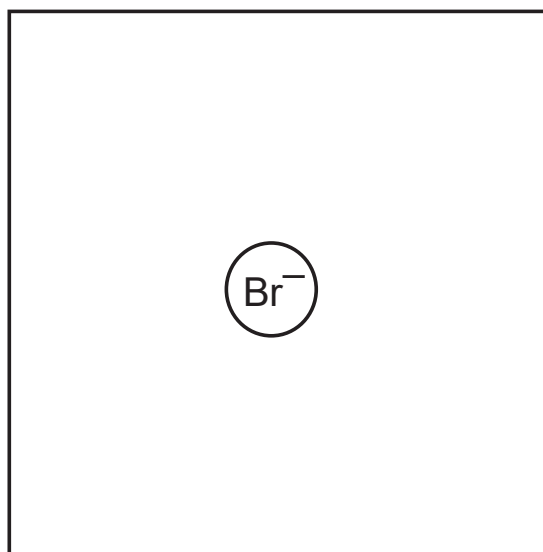
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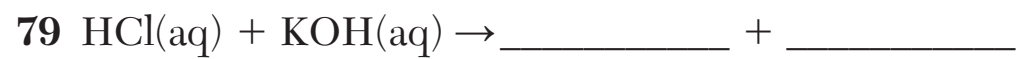


77

Key	
●	= hydrogen atom
○	= oxygen atom
●● ○	= water molecule



78 \_\_\_\_\_



80

81 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

82 \_\_\_\_\_

83 \_\_\_\_\_

84 \_\_\_\_\_ y

85 \_\_\_\_\_ +  ${}_0^1\text{n} \rightarrow {}_1^3\text{H} + {}_2^4\text{He}$

