

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

**PHYSICAL SETTING**  
**CHEMISTRY**

**Wednesday, August 20, 2025 — 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** \_\_\_\_\_ °C

**53** \_\_\_\_\_ J

**54** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

55

56

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57 \_\_\_\_\_

58 \_\_\_\_\_

59 \_\_\_\_\_

60 \_\_\_\_\_

61 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**62**

**63** \_\_\_\_\_

**64** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**65** \_\_\_\_\_ **min**

### Part C

66 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

67 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

68

69

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70 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

71 \_\_\_\_\_ %

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

73 \_\_\_\_\_  $\text{NH}_3$  + \_\_\_\_\_  $\text{H}_2\text{SO}_4 \rightarrow$  \_\_\_\_\_  $(\text{NH}_4)_2\text{SO}_4$



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**GO RIGHT ON TO THE NEXT PAGE ➡**

**74** \_\_\_\_\_

\_\_\_\_\_


\_\_\_\_\_

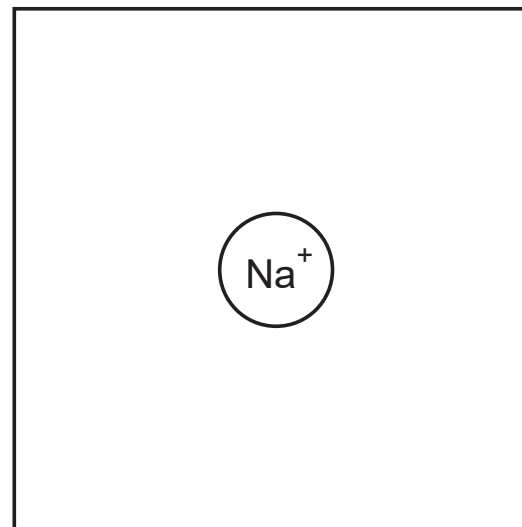
**75** \_\_\_\_\_

**76**

77

78

Key	
●	= Hydrogen atom
○	= Oxygen atom
	= Water molecule



79 \_\_\_\_\_

80 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

81 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

82 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

83 \_\_\_\_\_ J

84 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

