

# PHYSICAL SETTING CHEMISTRY

Thursday, August 17, 2023 — 8:30 to 11:30 a.m.

## ANSWER BOOKLET

Student .....

Teacher .....

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

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

### Part B–2

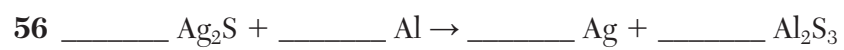
51 \_\_\_\_\_

52 \_\_\_\_\_

53 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

54 \_\_\_\_\_

55 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



57 \_\_\_\_\_ **g/mol**

58

59 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

60 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

61 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

62

---

---

---

63

---

64

---

---

---

65

**Part C**

66 \_\_\_\_\_

67 \_\_\_\_\_ %

68

69 \_\_\_\_\_

70 \_\_\_\_\_

71 \_\_\_\_\_ kJ

72 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

73 Temperature: \_\_\_\_\_

Pressure: \_\_\_\_\_

74 \_\_\_\_\_ mol

75 \_\_\_\_\_

76 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

77 \_\_\_\_\_

78 \_\_\_\_\_

79 \_\_\_\_\_

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

81 \_\_\_\_\_

82 \_\_\_\_\_ M

83 \_\_\_\_\_

84  ${}_{56}^{141}\text{Ba} \rightarrow {}_{-1}^0\text{e} +$  \_\_\_\_\_

85 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





P.S./CHEMISTRY

Printed on Recycled Paper

P.S./CHEMISTRY