

# Large-Type Edition

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

## PHYSICAL SETTING EARTH SCIENCE

Thursday, August 17, 2023 — 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** \_\_\_\_\_

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

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

**55** \_\_\_\_\_

**56** Relative luminosity of Alpha Centauri (circle one):  
lower luminosity  
greater luminosity  
same luminosity

Relative mass of Alpha Centauri (circle one):  
lower mass  
greater mass  
same mass

57 \_\_\_\_\_ **Galaxy**

58 \_\_\_\_\_

59

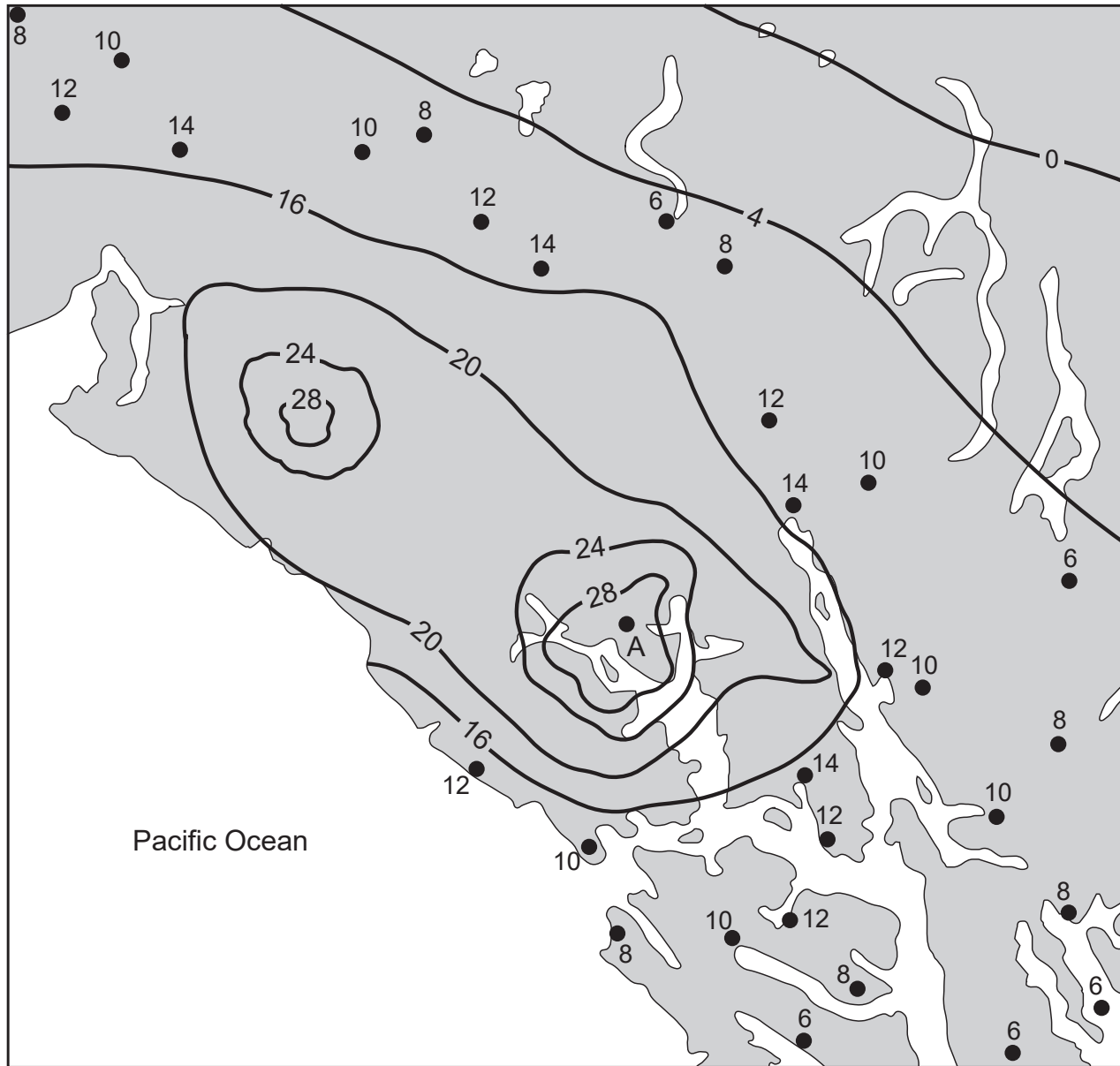
**Albany, New York Weather Data**

<b>Weather Instrument</b>	<b>Numerical Value with Units</b>
anemometer	
precipitation gauge	

60 \_\_\_\_\_

\_\_\_\_\_

### Alaskan Rebound Isoline Map



62 \_\_\_\_\_ mm/y

63 \_\_\_\_\_

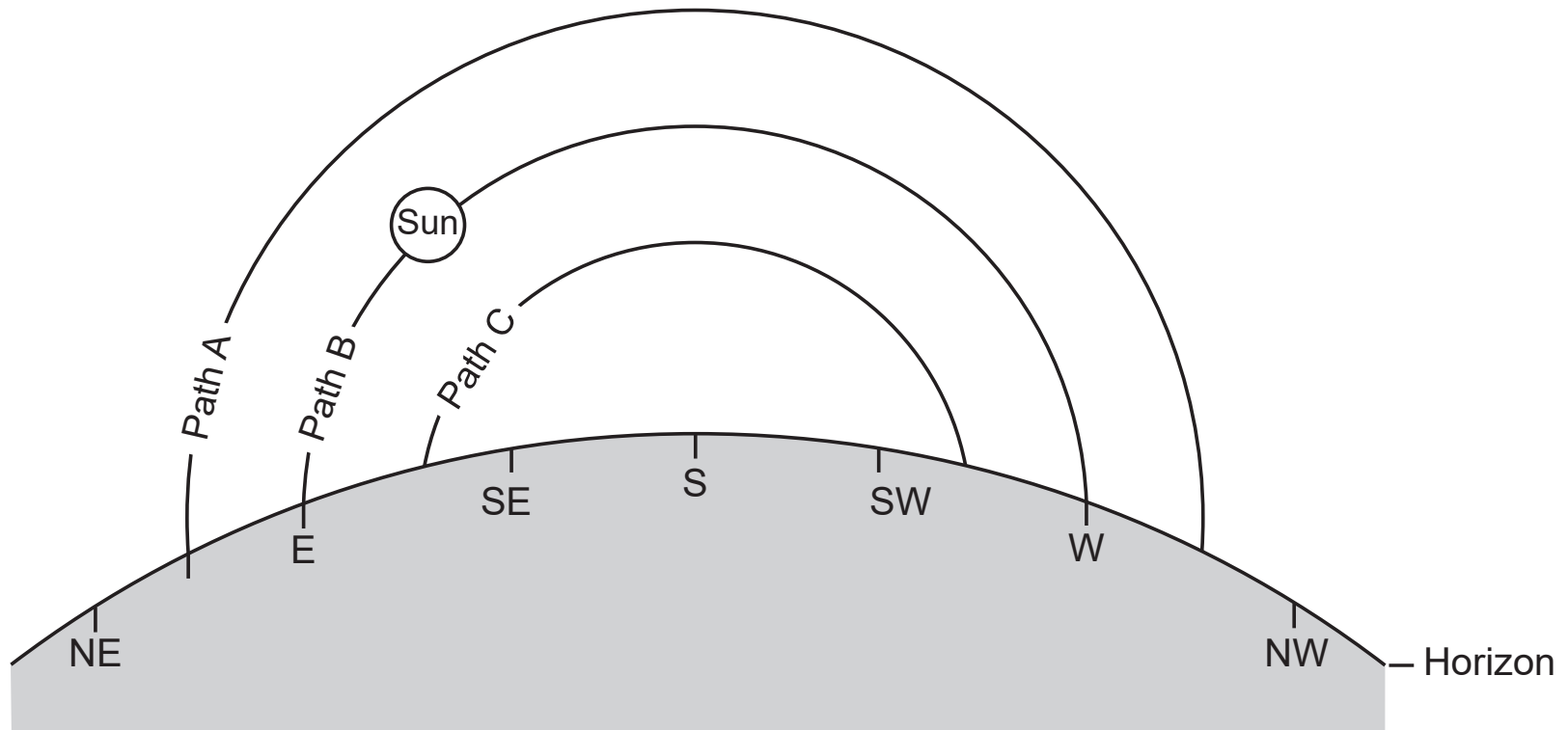
64 \_\_\_\_\_ **Plate** and \_\_\_\_\_ **Plate**

65 \_\_\_\_\_ and \_\_\_\_\_

Part C

66

The Sun's Changing Position  
at Binghamton, NY



(Not drawn to scale)

67 \_\_\_\_\_

\_\_\_\_\_

68 \_\_\_\_\_

69 Relative intensity of insolation for *C* (circle one):      less intensity  
   greater intensity  
   same intensity

Relative duration of insolation for *C* (circle one):      shorter duration  
   longer duration  
   same duration

70 \_\_\_\_\_ **Period**

71 \_\_\_\_\_

\_\_\_\_\_

72 \_\_\_\_\_

73 Composition:        felsic        mafic

Minerals:            (1) \_\_\_\_\_

                          (2) \_\_\_\_\_

74 \_\_\_\_\_

75 \_\_\_\_\_

\_\_\_\_\_



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76 \_\_\_\_\_ and \_\_\_\_\_

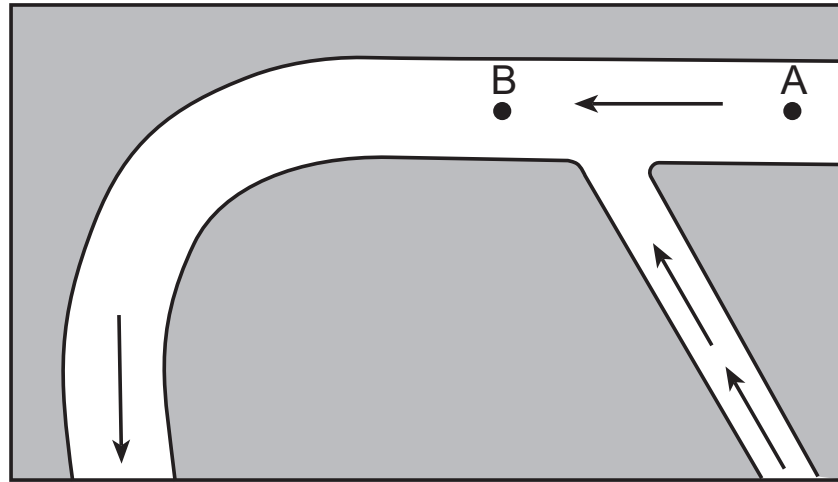
77 \_\_\_\_\_  
\_\_\_\_\_

78 \_\_\_\_\_ km

79 Rock name: \_\_\_\_\_

Rock density: \_\_\_\_\_ g/cm<sup>3</sup>

80



(Not drawn to scale)

81

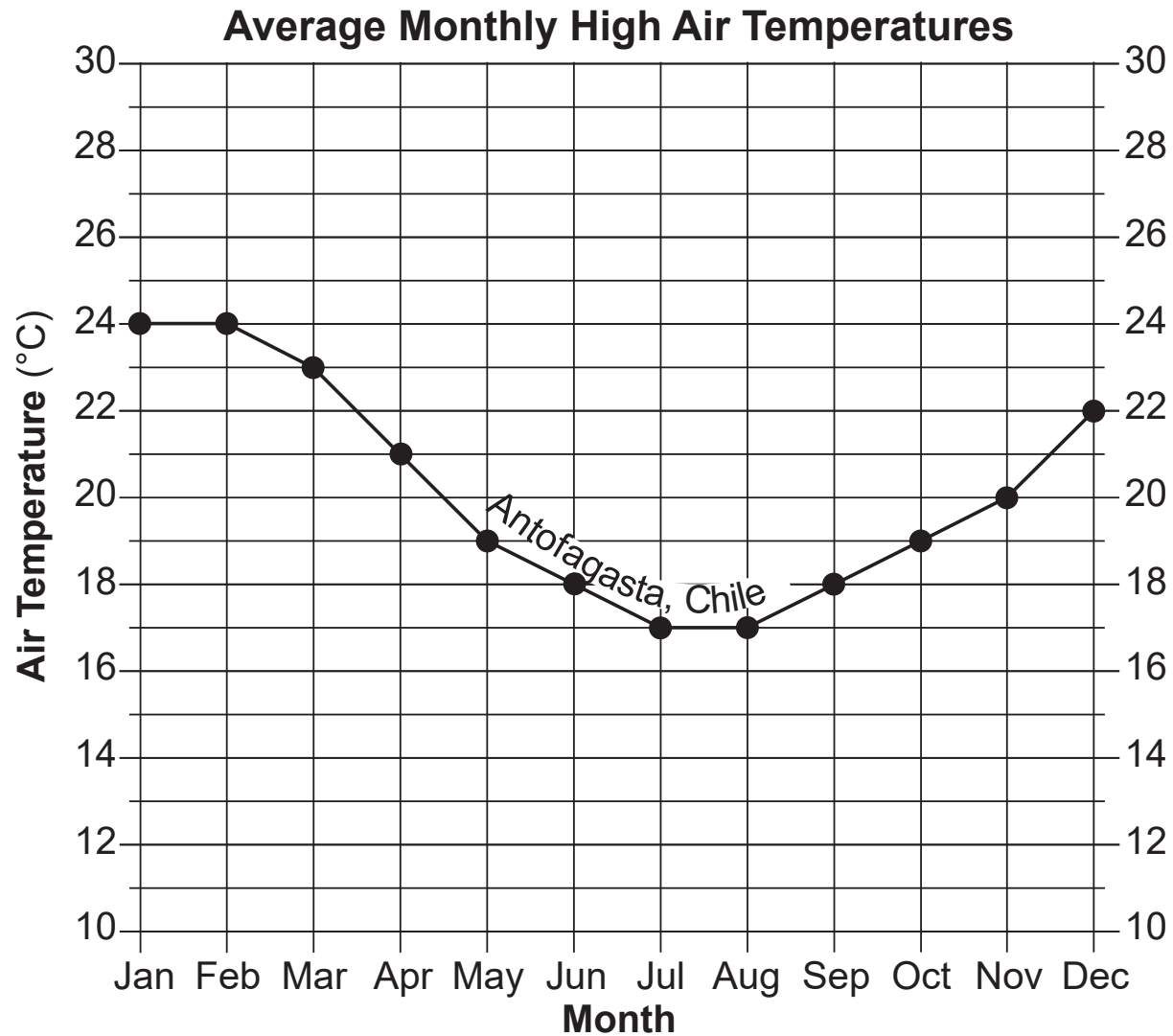
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82

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84

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85

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