

PHYSICAL SETTING EARTH SCIENCE

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

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 _____

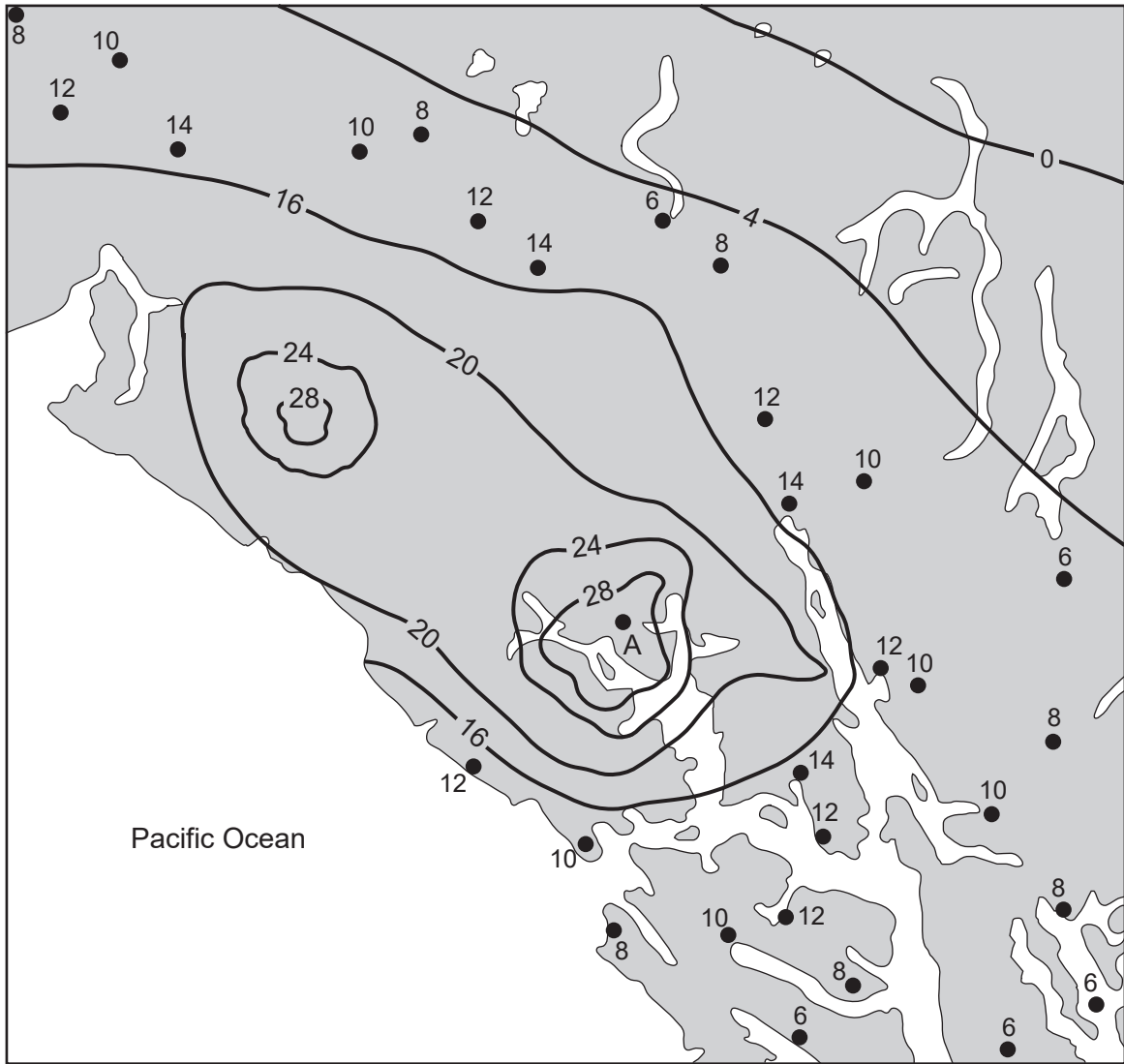
59

Albany, New York Weather Data

Weather Instrument	Numerical Value with Units
anemometer	
precipitation gauge	

60 _____

Alaskan Rebound Isoline Map



62 _____ mm/y

63 _____

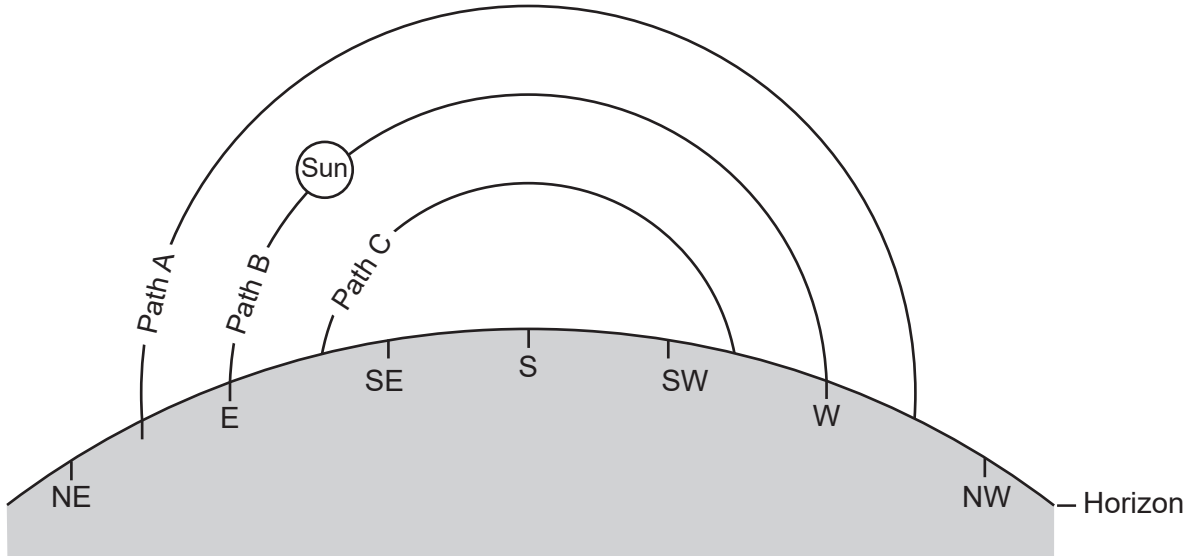
64 _____ Plate and _____ Plate

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 _____

76 _____ and _____

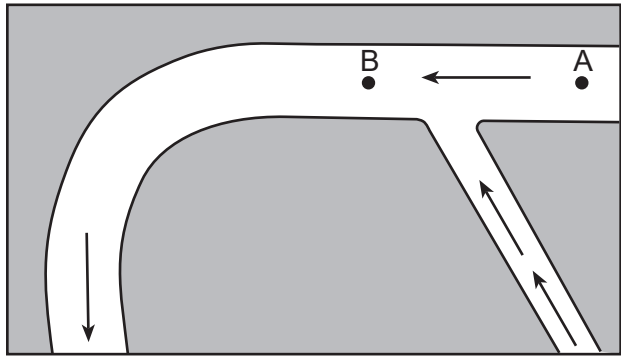
77 _____

78 _____ km

79 Rock name: _____

Rock density: _____ g/cm³

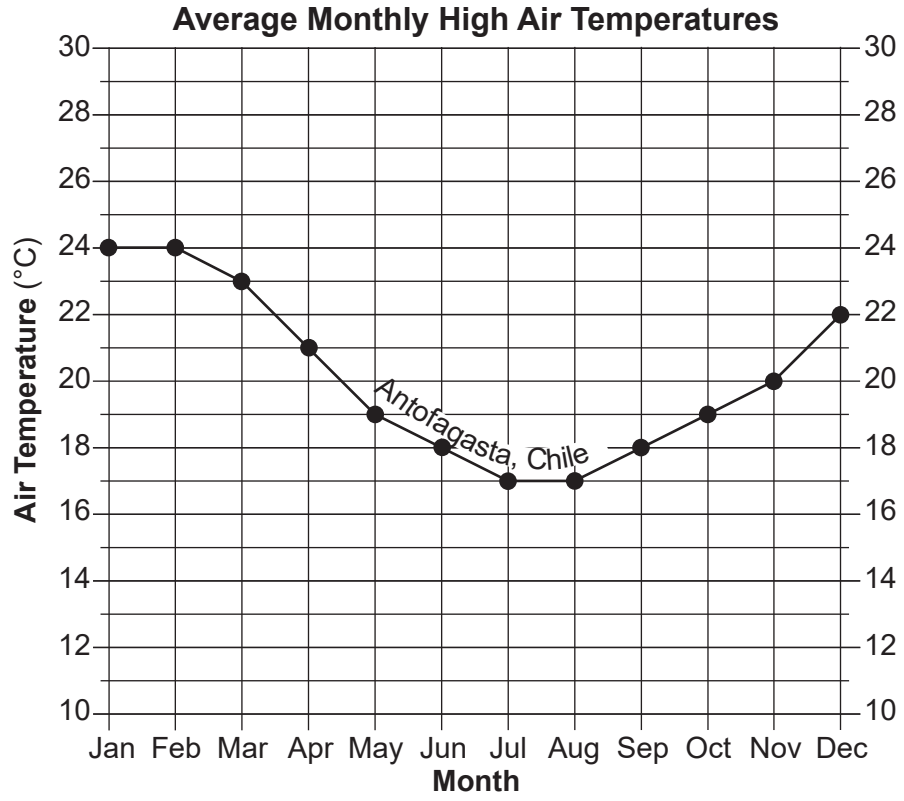
80



(Not drawn to scale)

81 _____

82 _____



84

85
