

# PHYSICAL SETTING EARTH SCIENCE

Thursday, January 25, 2018 — 9:15 a.m. to 12:15 p.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 \_\_\_\_\_

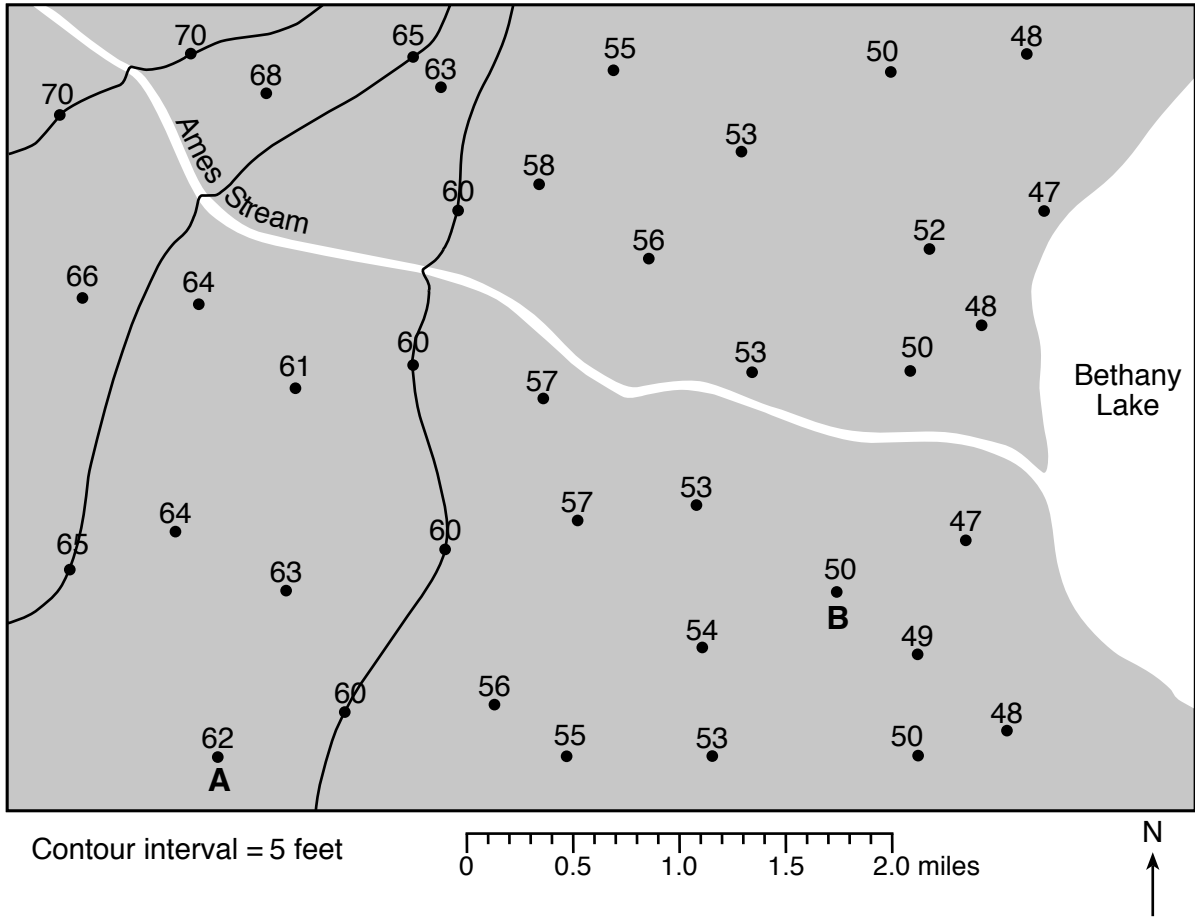
53 Relative time for star C: \_\_\_\_\_

Explanation: \_\_\_\_\_

\_\_\_\_\_

54 \_\_\_\_\_

55 \_\_\_\_\_

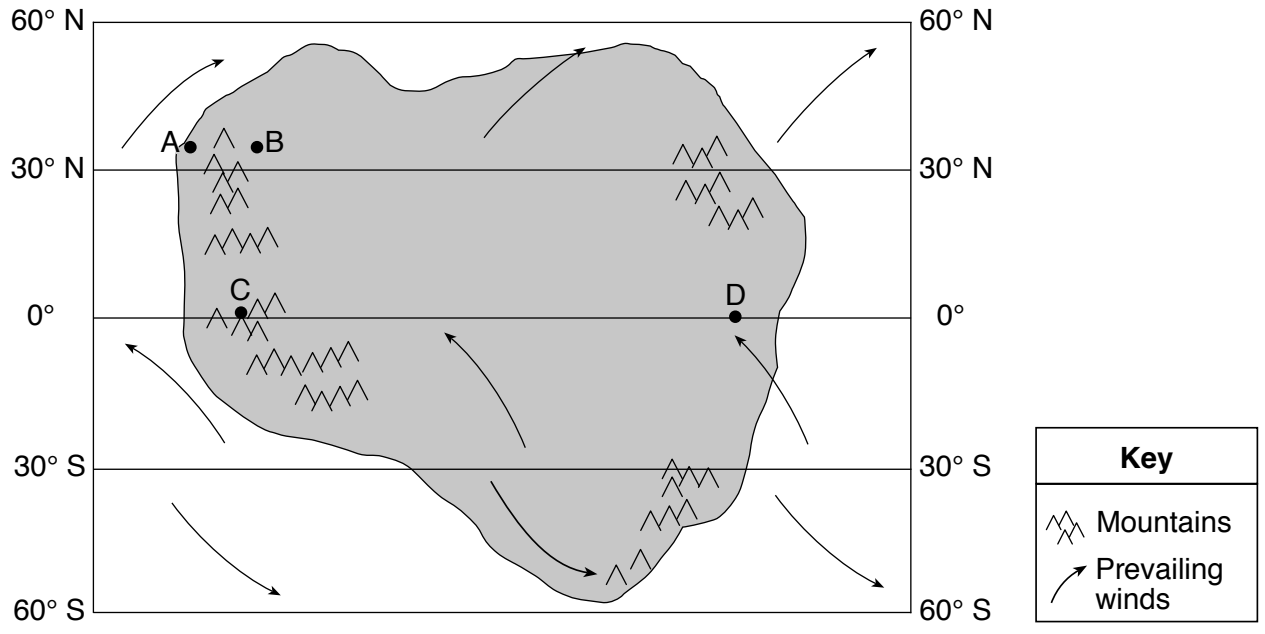


57 \_\_\_\_\_ ft/mi

58 Compass direction: \_\_\_\_\_

Evidence: \_\_\_\_\_  
\_\_\_\_\_

59



60 Relative average air temperature at B: \_\_\_\_\_

Relative average moisture conditions at B: \_\_\_\_\_

61 \_\_\_\_\_

62 \_\_\_\_\_

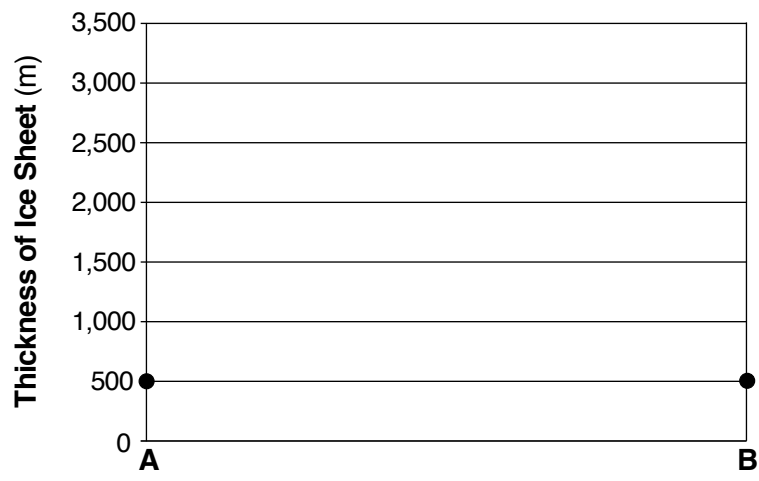
63 \_\_\_\_\_ h

64 \_\_\_\_\_

65 \_\_\_\_\_ °

**Part C**

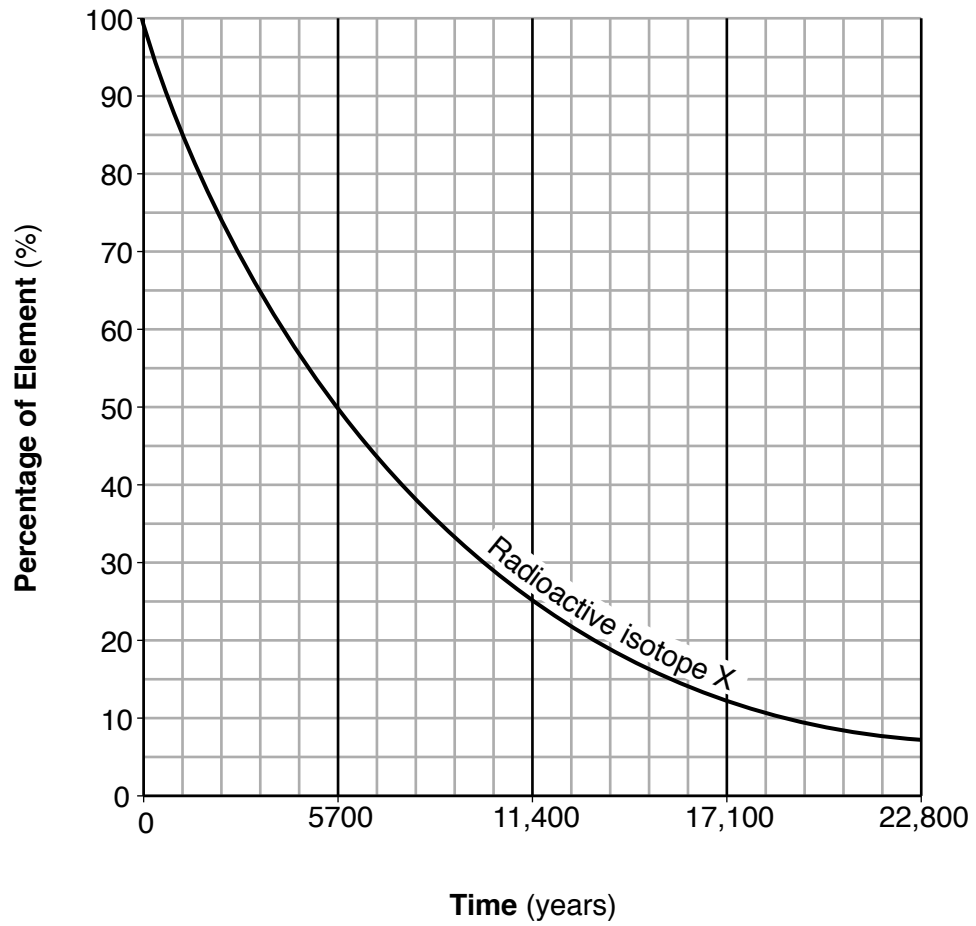
**66**



**67** \_\_\_\_\_

**68** \_\_\_\_\_ and \_\_\_\_\_

### Radioactive Decay of X

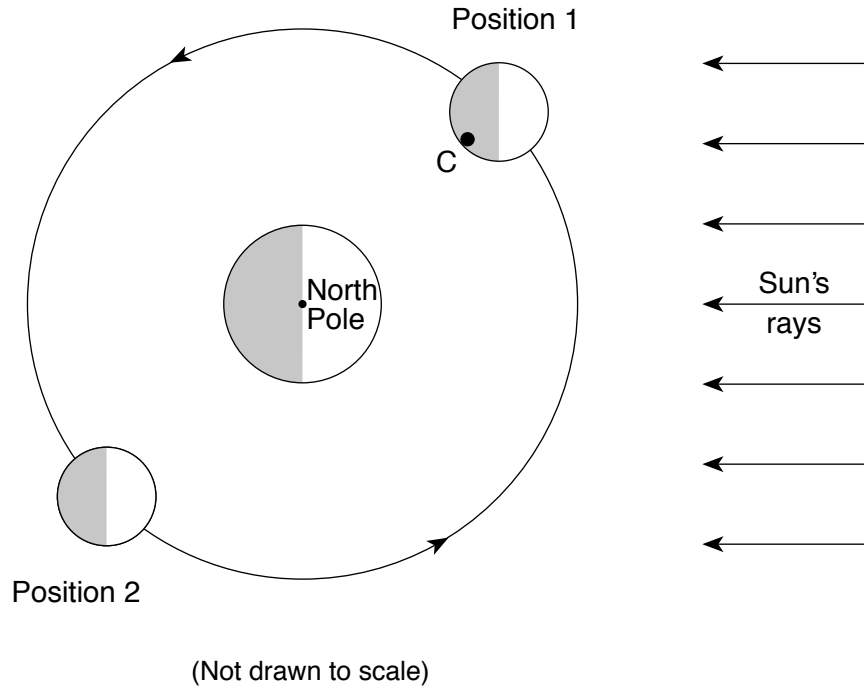


70 \_\_\_\_\_ y

71 Radioactive isotope X: \_\_\_\_\_

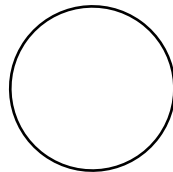
Stable disintegration product: \_\_\_\_\_

72-73



74 \_\_\_\_\_ d

75



76

Atlanta, Georgia	
Weather Variable	Actual Value
Air temperature	°F
Barometric pressure	mb
Wind speed	knots
Wind direction	from the

77 \_\_\_\_\_ front

78 \_\_\_\_\_  
\_\_\_\_\_

79 Location A: \_\_\_\_\_ **Plate**

Location B: \_\_\_\_\_ **Plate**

80 Relative age at location D: \_\_\_\_\_

Explanation: \_\_\_\_\_  
\_\_\_\_\_

81 Term for large ocean wave: \_\_\_\_\_

Emergency action: \_\_\_\_\_  
\_\_\_\_\_

82

Letter	Missing Information
A	
B	
C	
D	

83 \_\_\_\_\_ and \_\_\_\_\_

84 \_\_\_\_\_

85 \_\_\_\_\_

