

PHYSICAL SETTING EARTH SCIENCE

Friday, January 25, 2019 — 9:15 a.m. to 12:15 p.m., only

ANSWER BOOKLET

Student

Teacher

School Grade

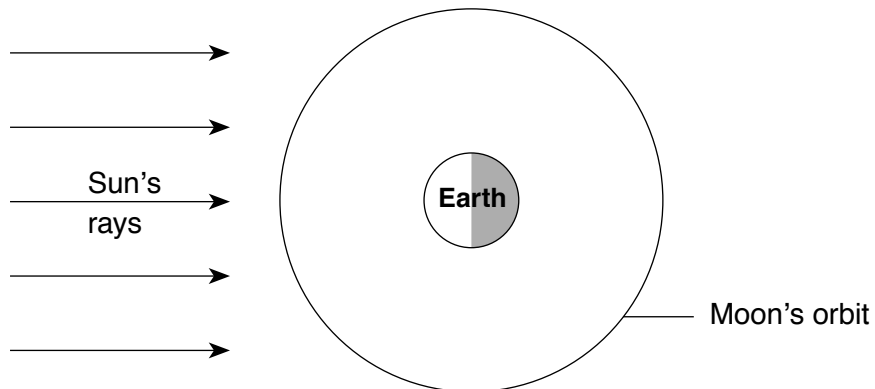
Record your answers for Part B–2 and Part C in this booklet.

Part B–2

51

New York State Location	Total Solar Eclipse Visible
Kingston	
Massena	
Niagara Falls	
Riverhead	
Oswego	

52



(Not drawn to scale)

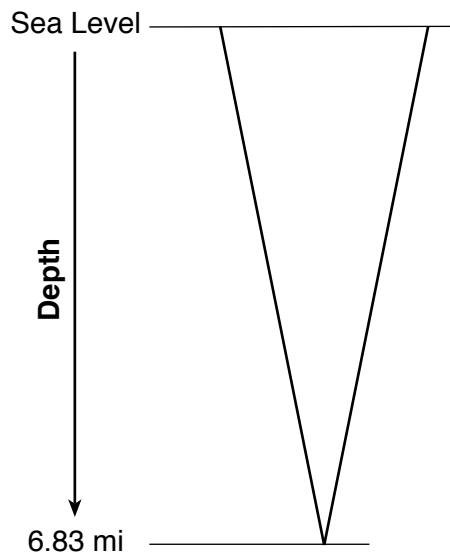
53 Plate A: _____ Plate

Plate B: _____ Plate

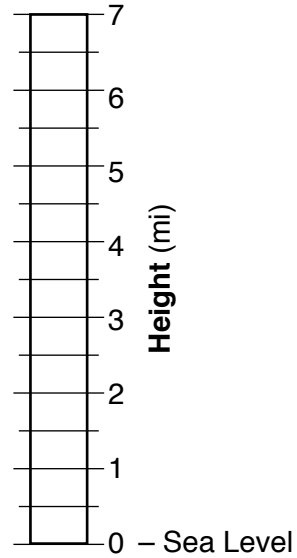
54 _____

55 _____

56



**Depth of
Challenger
Deep**



**Height of
Mount
Everest**

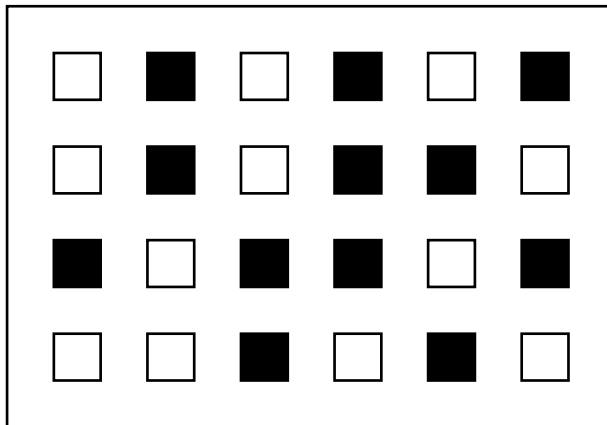
57 _____

58 _____

59 _____

60

Model of Carbon -14 Radioactive Decay



Key	
□	Radioactive carbon-14
■	Disintegration product

61 _____

62 _____

63 _____ m

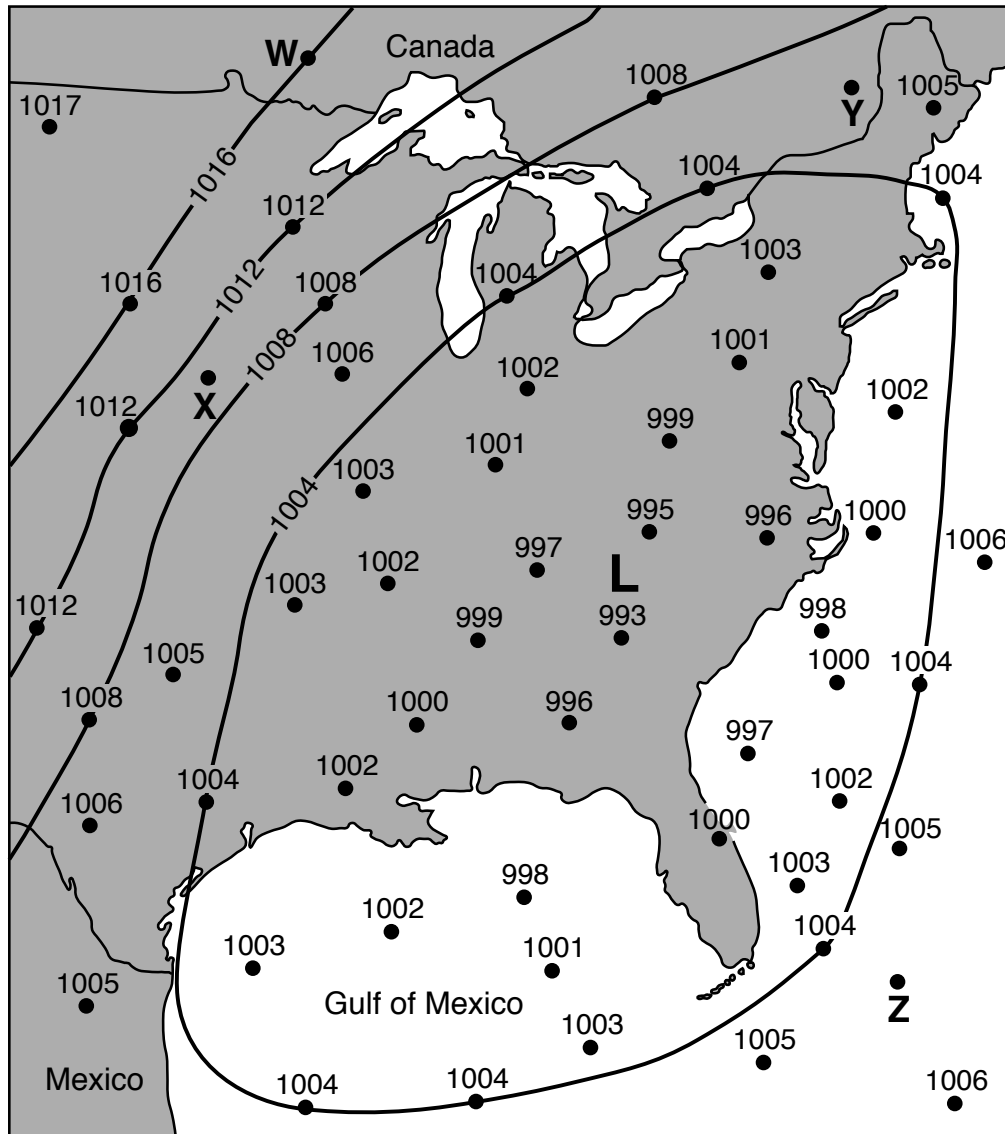
64 _____ m/km

65 _____

Part C

66

Air Pressure Field Map



67 Location: _____

Evidence: _____

68 _____

69 Characteristic 1: _____

Characteristic 2: _____

70 _____

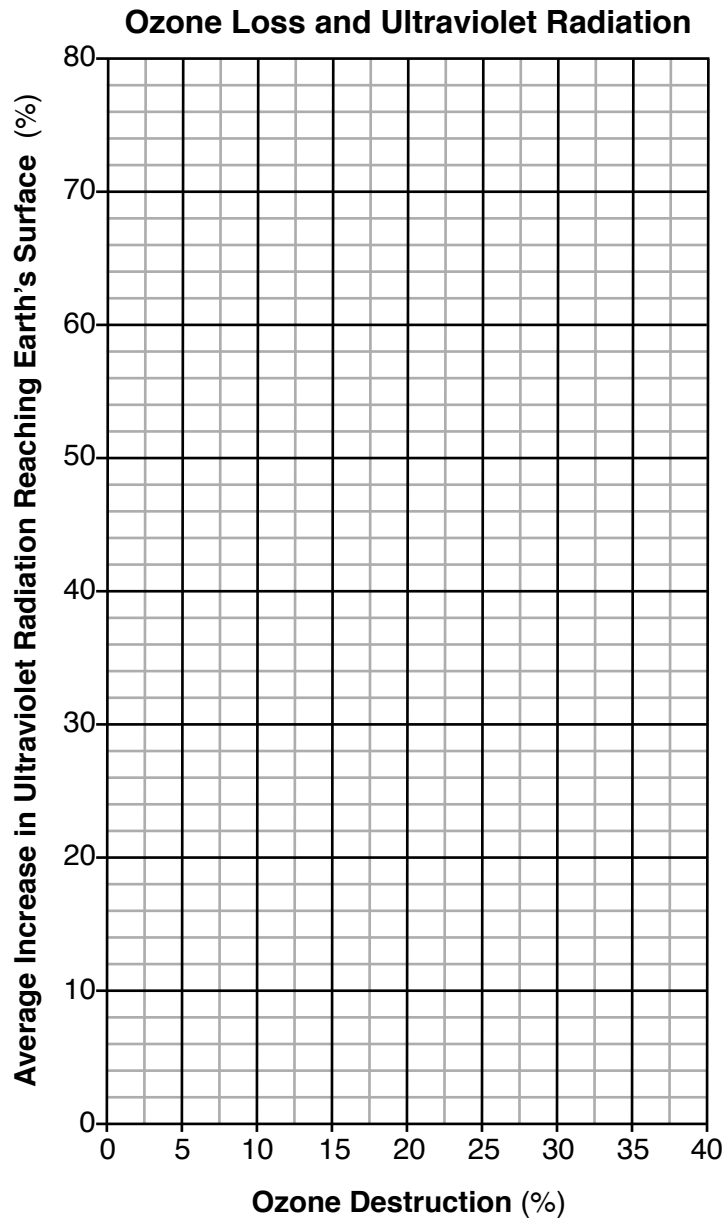
71 _____

72 _____

73 _____ d

74 Circle one: **Terrestrial Planet** **Jovian Planet**

Explanation: _____



76 _____ %

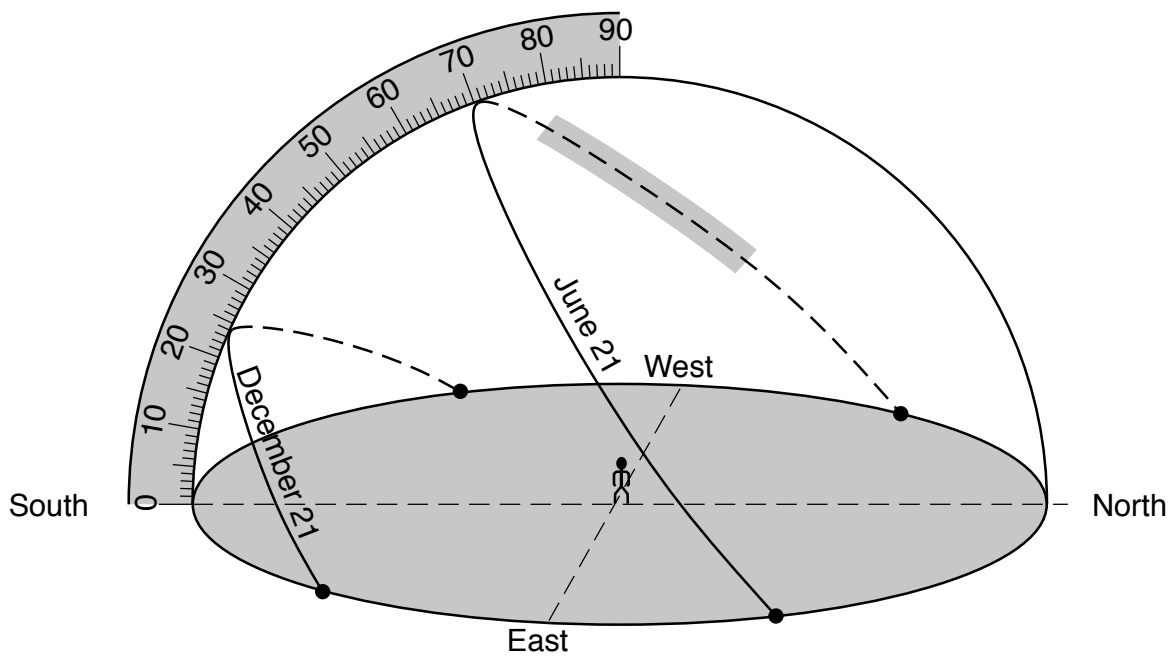
77 _____

Wavelength Comparison to Ultraviolet (UV) Radiation

Type of Electromagnetic Radiation	All Wavelengths Shorter Than UV	All Wavelengths Longer Than UV	Some Wavelengths Shorter and Some Wavelengths the Same as UV
Gamma Rays			
Microwaves			
Visible light			
X rays			

79 _____ and _____

80



81 December 21: _____ °

June 21: _____ °

82 _____ h

P.S./EARTH SCIENCE

