

PHYSICAL SETTING EARTH SCIENCE

Thursday, August 17, 2017 — 8:30 to 11:30 a.m., only

ANSWER BOOKLET

Student

Teacher

School Grade

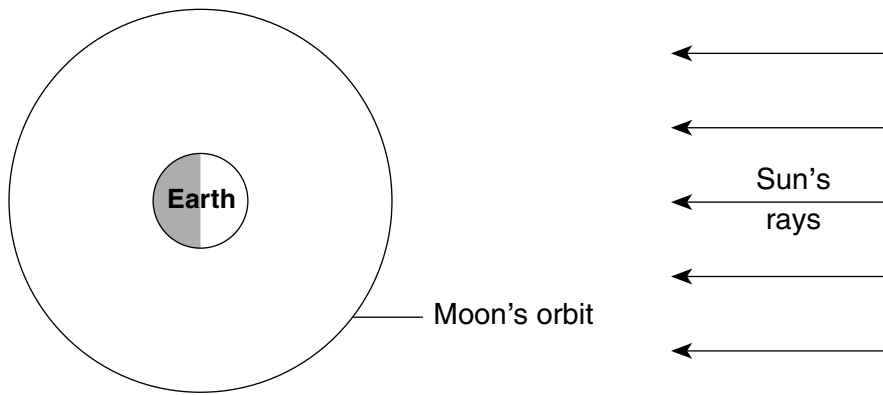
Record your answers for Part B-2 and Part C in this booklet.

Part B-2

51 Waxing begins: Phase _____

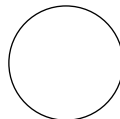
Waxing ends: Phase _____

52



(Not drawn to scale)

53



54 _____

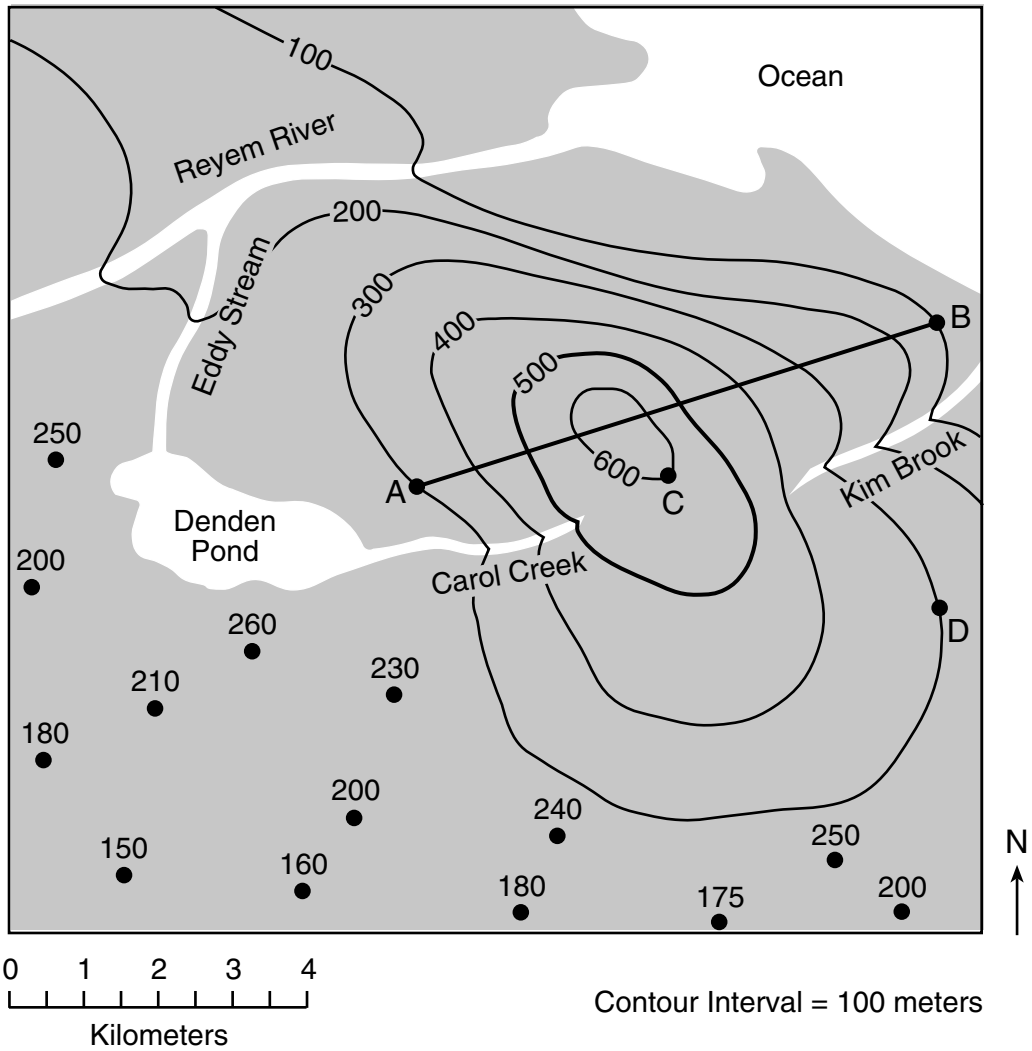
55 _____

56 _____

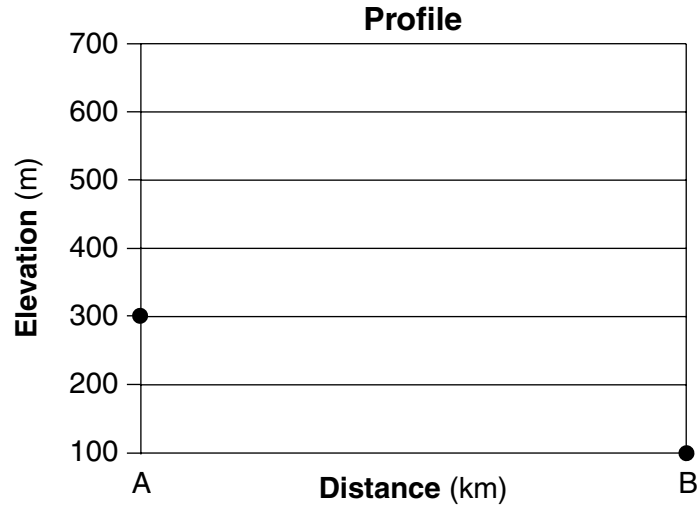
57 Relative surface temperature of *Sirius* (circle one): **lower** **higher** **the same**

Relative luminosity of *Sirius* (circle one): **less** **greater** **the same**

58



59



60 _____

61 Compass direction: _____

Evidence: _____

62 Circle one: **Old Forge** **New York City**

Explanation: _____

63 _____ **min** _____ **s**

64 _____

65 Earth's interior layer: _____

Characteristic of this layer: _____

Part C

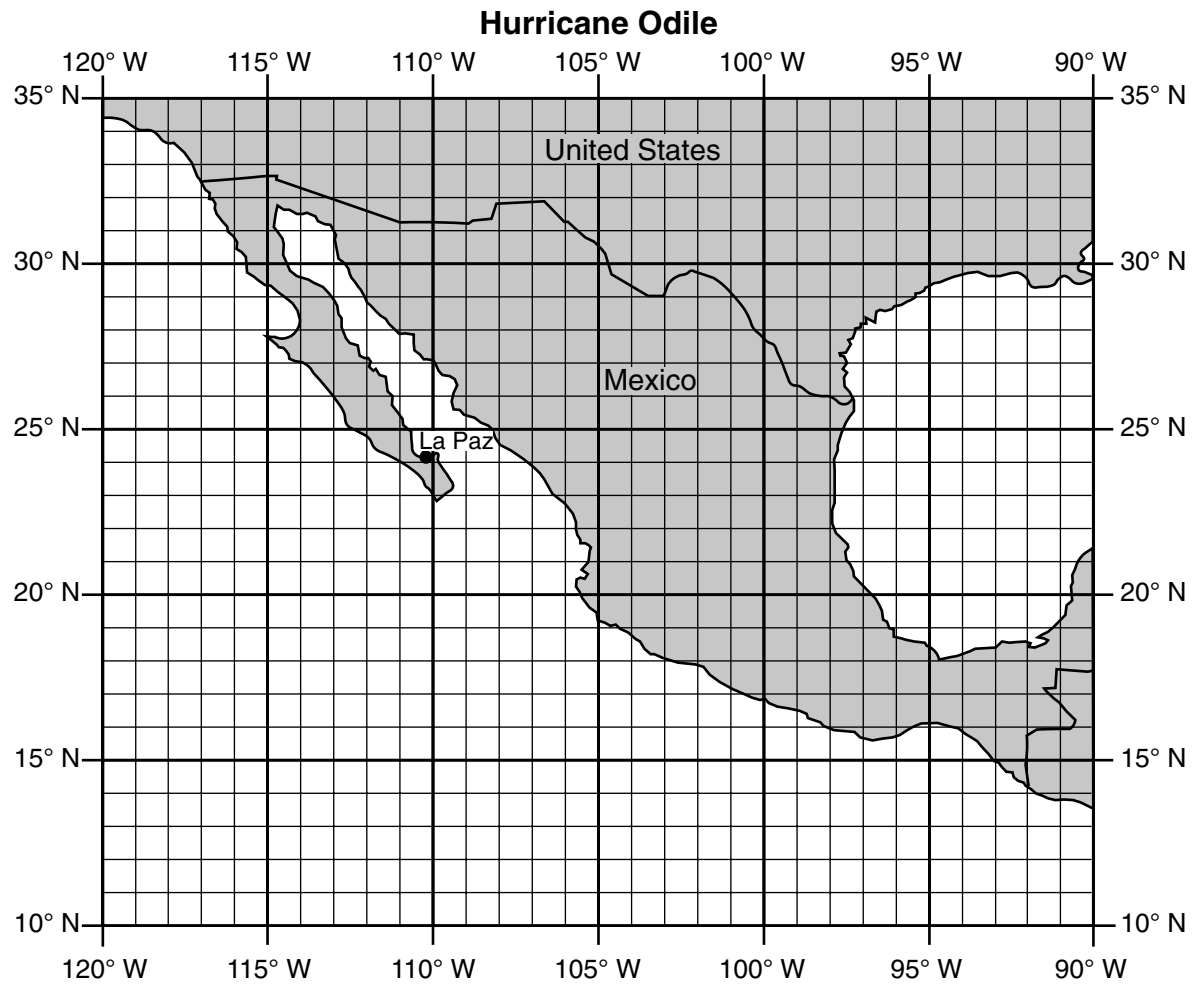
66 _____

67 Relative altitude of *Polaris* at location A: _____

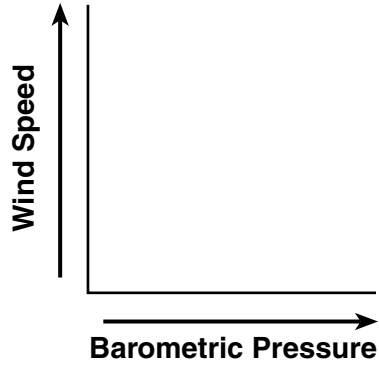
Explanation: _____

68 _____

69



70



71 _____

72 Action 1: _____

Action 2: _____

73 _____

74 Process 1: _____

Process 2: _____

75 _____ → _____ → _____ → _____
Oldest → Youngest

76 _____ **Lake**

77 _____ **Period**

_____ **Epoch**

78 _____

79 _____

80 _____ **Current**

81 _____

82 _____

83 Relative color of rock 2: _____

Relative density of rock 2: _____

84 _____

85

Mineral Composition	Found in both rock 1 and rock 2	Found in neither rock 1 nor rock 2	Found in rock 1, only	Found in rock 2, only
(Na,Ca)AlSi ₃ O ₈				
KAlSi ₃ O ₈				
(Fe,Mg) ₂ SiO ₄				

