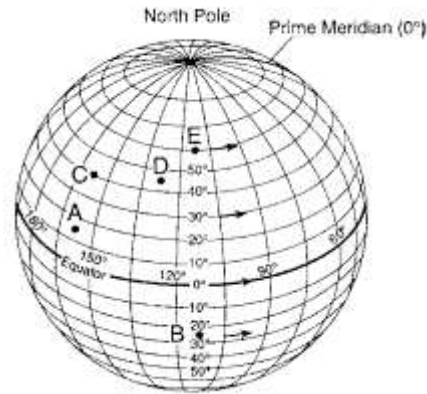


MODEL OF THE EARTH REVIEW QUESTIONS SET 2

Use the diagram below to answer **questions 1-2**.



1. What is the approximate latitude and longitude of location A?
 - (1) 160°N, 15°E
 - (2) 160°S, 15°W
 - (3) 15°N, 160°E
 - (4) 15°N, 160°W

2. How many hours difference exist between points A and D?
 - (1) 1
 - (2) 2
 - (3) 3
 - (4) 4

3. According to the Earth Science Reference Tables, the location of Slide Mountain is:

(1) 74° 25'N, 42° W	(3) 42°N, 74°W
(2) 42° N, 74° 25' W	(4) 42° 25'N, 74° 45'W

4. Cities located on the same meridian (longitude) must have the same

(1) latitude	(3) time
(2) altitude	(4) length of daylight

5. What is the location of Binghamton, New York?

(1) 42° 06' N, 75° 55' W	(3) 42° 54' N, 76° 05' W
(2) 42° 06' N, 76° 05' W	(4) 42° 54' N, 75° 55' W

6. The Tropic of Cancer is located at

(1) 0° latitude	(3) 23½° S latitude
(2) 23½° N latitude	(4) 66½° N latitude

7. Which city is closest to 44°N latitude, 76°W longitude?

(1) Watertown	(3) Binghamton
(2) Buffalo	(4) Massena

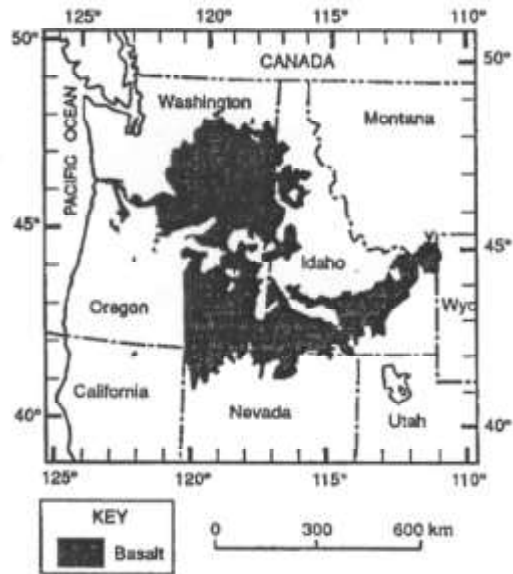
8. As a person travels northward from the Equator, the altitude of Polaris will appear to

(1) decrease	(2) increase	(3) remain the same
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The shaded area of the map to the right represents large areas of surface basaltic bedrock in the Northwestern United States.

9. Which location is in the shaded area of surface basaltic bedrock?

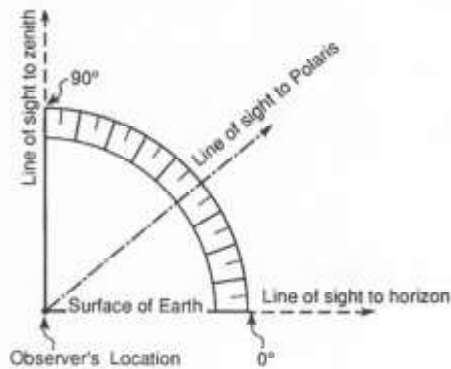
- (1) 46°N, 120°W
- (2) 48°N, 116°W
- (3) 40°N, 120°W
- (4) 44°N, 122°W



The diagram below shows the altitude of Polaris above the horizon at a certain location.

10. What is the latitude of the observer?

- (1) 40°N
- (2) 10°N
- (3) 90°N
- (4) 50°N



11. An observer on Earth measures the altitude of Polaris and finds it to be 0 degrees. This observer must be at the

- (1) North Pole
- (2) Arctic Circle
- (3) Tropic of Cancer
- (4) Equator

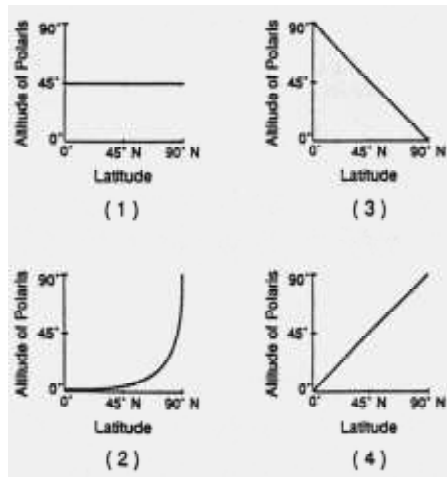
The diagram to the right represents the route of a ship from New York City to Miami, Florida. Each night, A passenger on the ship observes Polaris.

12. Which statement best describes the observed changes in the altitude of Polaris made by the passenger during the voyage?

- (1) Each night the altitude of Polaris increases in the northern sky.
- (2) Each night the altitude of Polaris increases in the southern sky.
- (3) Each night the altitude of Polaris decreases in the northern sky.
- (4) Each night the altitude of Polaris decreases in the southern sky.



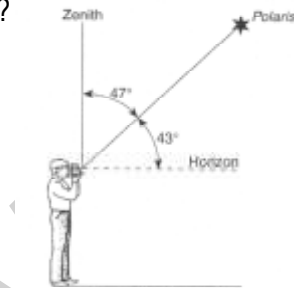
13. Which graph best represents the relationship between the latitude of an observer and the observed altitude of Polaris above the northern horizon?



The diagram below shows an observer on Earth measuring the altitude of Polaris.

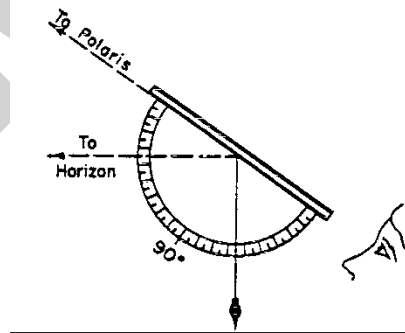
14. What is the latitude of this observer?

- (1) 43°N
- (2) 43°S
- (3) 47°N
- (4) 47°S



15. What is the latitude of the observer shown?

- (1) 35° N.
- (2) 55° N.
- (3) 90° N.
- (4) 125° N.



16. As a person travels due west across New York State, the altitude of Polaris will

- (1) decrease
- (2) increase
- (3) remain the same