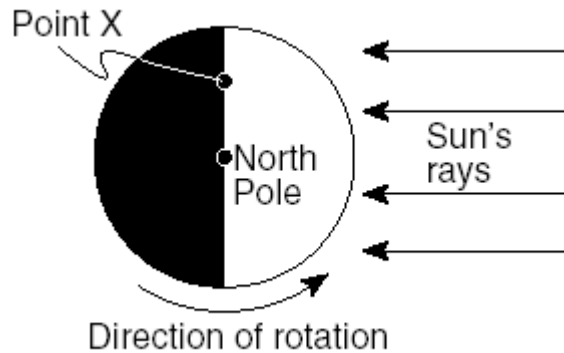


Name _____

Date _____

Topic 2 Midterm Review Model of the Earth

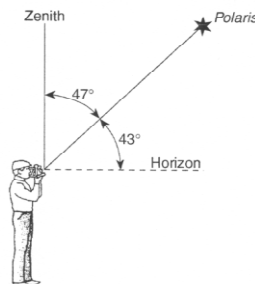
- What is the latitude and longitude of Niagara Falls, NY to the nearest minute? Don't forget to include directions. _____
- What is the latitude and longitude of Rochester, NY to the nearest minute? Don't forget to include directions. _____
- What is the approximate location of the Canary Islands hot spot?
 (1) 32° S 18° W (3) 32° N 18° W
 (2) 32° S 18° E (4) 32° N 18° E
- The time at 15° N, 60° W is 1:00pm. What time would it be at 15° N, 30° W? _____
 Make a grid!! Don't forget AM or PM.
- The diagram below represents the direction of Earth's rotation as it appears from above the North Pole. Point X is a location on Earth's surface. The time at point X is closest to



- 6 a.m.
- 12 noon
- 6 p.m.
- 12 midnight

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

- What is the latitude of this observer?
 (1) 43° N
 (2) 43° S
 (3) 47° N
 (4) 47° S

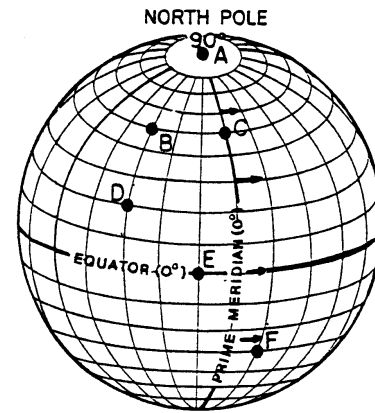


7. Who would be able to view Polaris at a higher altitude: a person in Utica, NY or Elmira, NY?
Explain your answer.
-
-

Use the diagram to the right to answer **questions 8-12**.

8. What is the altitude of Polaris as viewed from position A?
 (1) 50° (3) 0°
 (2) 66° (4) 90°

9. Which two points are in the same time zone?
 (1) B and C (3) B and D
 (2) C and F (4) E and F



10. The globe to the right is a standard globe with each line of longitude being 15° apart, and the time at point D is 4:00pm. What is the time at point F?

- (1) 12:00pm (3) 12:00am
 (2) 8:00pm (4) 7:00pm

11. At which position could Polaris definitely not be observed?
 (1) E (3) C
 (2) F (4) A

12. As a ship traveled in the ocean from point B to point E, observers on the ship would see the altitude of Polaris
 (1) increase (2) decrease (3) remain the same

13. The two elements that make up the largest percentage by mass of Earth's crust are oxygen and
 (1) silicon (3) hydrogen
 (2) potassium (4) nitrogen

14. Which temperature zone of Earth's atmosphere has the highest atmospheric pressure?
 (1) mesosphere (3) thermosphere
 (2) stratosphere (4) troposphere

15. At which altitude would the temperature of the atmosphere be the coldest?
 (1) 11 km (3) 40 km
 (2) 50 km (4) 80 km

16. As altitude increases in the troposphere, the air pressure will
 (1) decrease, but air temperature will increase (3) decrease, and so will the air temperature
 (2) increase, and so will the air temperature (4) increase, but the air temperature will decrease