Name: _____

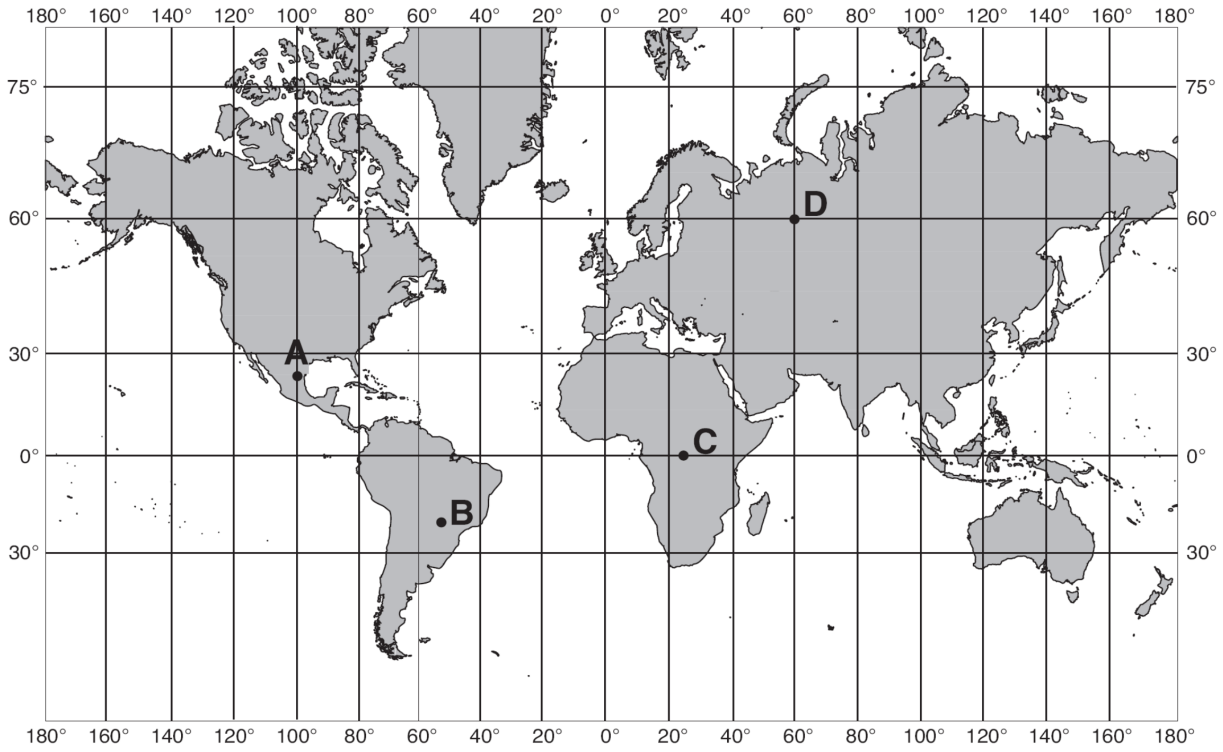
Date: _____ Period: _____

Mapping the Earth

The Physical Setting: Earth Science

Worksheet: Latitude and Longitude I

Base your answer to questions 1 through 3 on the world map below. Letters A through D represent locations on Earth's surface.



1. What is the latitude and longitude of point D?
   a. 60° N and 60° W
   b. 60° S and 60° W
   c. 60° N and 60° E
   d. 60° S and 60° E

2. What is the latitude and longitude of point A?
   a. 32° N and 100° W
   b. 32° S and 100° E
   c. 28° N and 100° W
   d. 28° S and 100° E

3. At which location will the altitude of the star Polaris be 0º?
   a. A
   b. B
   c. C
   d. D

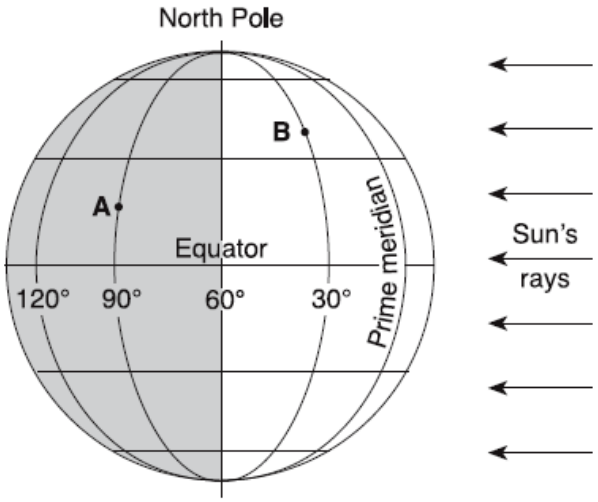
Worksheet: Latitude and Longitude I

4. How are latitude and longitude lines drawn on a globe of the Earth?
    a. Longitude lines are parallel and latitude lines meet at the Equator
    b. Latitude lines are parallel and longitude lines meet at the Equator
    c. Latitude lines are parallel and longitude lines meet at the poles
    d. Longitude lines are parallel and latitude lines meet at the poles.

5. The approximate latitude of Utica, New York, is
    a. 43°05' N
    b. 43°05' S
    c. 75°15' E
    d. 75°15' W

6. Which New York State city is located at 42°39' N 73°45' W?
    a. Albany
    b. Ithaca
    c. Plattsburgh
    d. Buffalo

The diagram below shows latitude and longitude lines on Earth. Points A and B are locations on Earth's surface.



7. If it is 4 a.m. at location A, what time is it at location B?
    a. 2:00 am
    b. 4:00 am
    c. 8:00 am
    d. 10:00 am

8. As a traveler goes from location A to location B, the altitude of Polaris will
    a. remain the same
    b. decrease
    c. increase