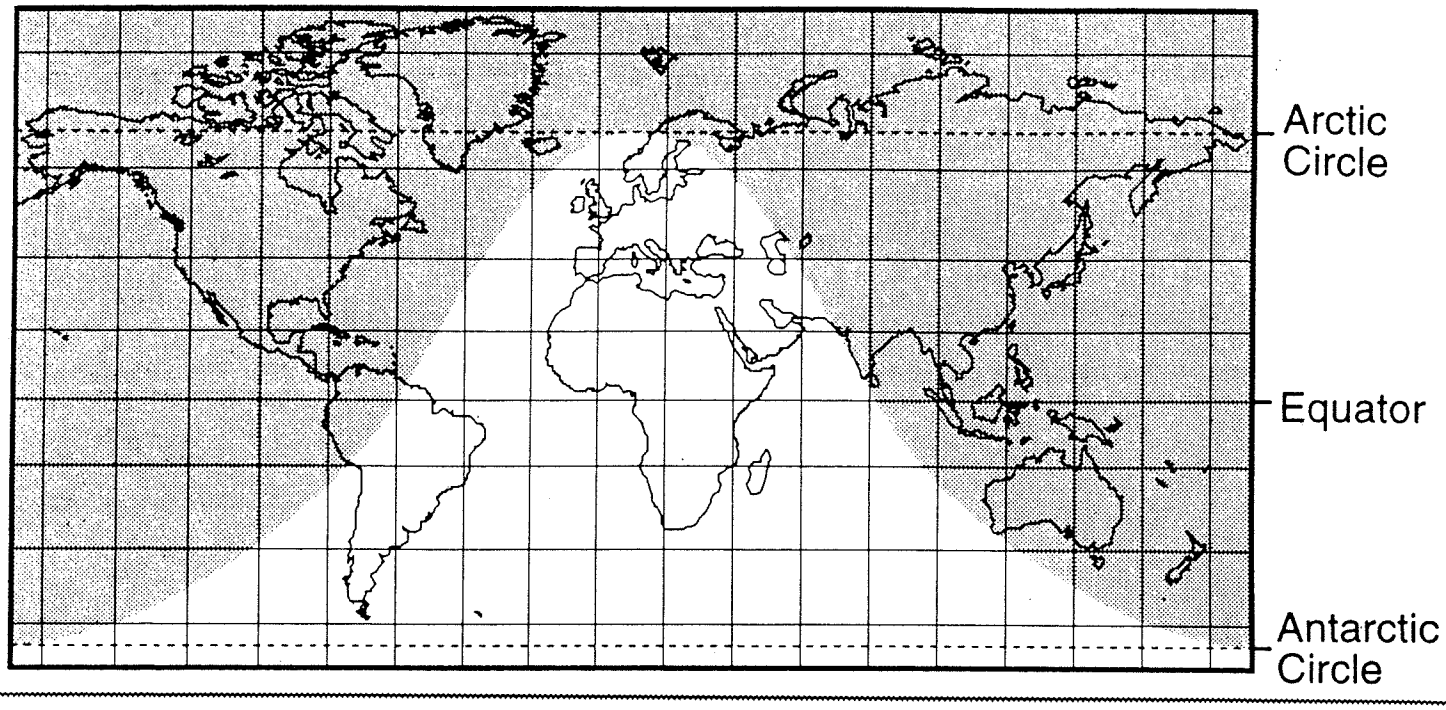
Daylight at the Solstice

Name _____

The solstices mark the beginnings of winter and summer. Date _____ Per. _____
They occur late in June and December and they mark the times
ıen insolation (sunlight) is strongest in the Northern and Southern hemispheres.



Does this map show the June or December solstice? _____

2. How can you tell what month it shows?

_____

3. What is the angular distance around the Earth? (That is, if you went completely around the Earth, through how many degrees of longitude would you travel?) _____

4. Define longitude.

_____

5. How many degrees separate the lines of longitude on this map? _____
(Hint: It's a "round" number, not a number like 17° or 32°.)

6. How far does the Earth rotate in one hour? _____

7. How many hours are shown by each longitude interval on this map? _____

8. How many degrees of daylight longitude, and how hours of daylight occur at this time...

A. Along the Equator? _____ _____ B. At the North Pole? _____ _____

C. At the South Pole? _____ _____ D. At the Arctic Circle? _____ _____

E. At the tropic of Cancer? _____ _____ F. At your latitude? _____ _____

9. On the back of this paper, explain how you determined the daily length of sunlight? Use complete sentences.