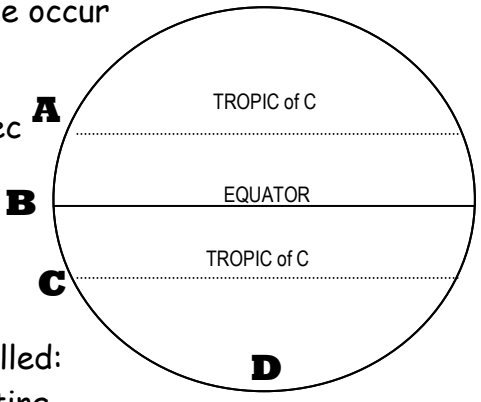
Sample Questions – Physical Geography Midterm:

1. Which of the following has the lowest *albedo*?
   forest asphalt
   snow grass
2. During the summer, what happens to the Northern Hemisphere relative to the Circle of Illumination?
3. As you fly east from Tokyo to San Francisco what happens to the date?
4. What is the most important factor that controls the seasonal distribution of precipitation in tropical wet-dry (Am & Aw) climates?
5. The longest days of the year in the **Northern** Hemisphere occur during what season in the **Southern** Hemisphere?
6. Using the figure at right, on the last seasonal change, Dec 21, where were the Sun's rays directly overhead at local noon?
7. What was that event called (on Dec 21)?
8. The air that is forced to rise over another air mass is called:
   Orographic lifting Convergent lifting
   Frontal lifting Rossby lifting



9. What is located at 30°N, 90°W?
10. What accounts for the BW climate in northern Africa?
11. What time is it in London if it is 3pm in New York?
12. What does a strong PGF create?
13. Is the ITCZ a low or a high? Why?
14. A cold front is approaching – what can you expect the weather to be like?
15. What does a cold front look like on a weather map?
16. What does most of the damage in a hurricane?