

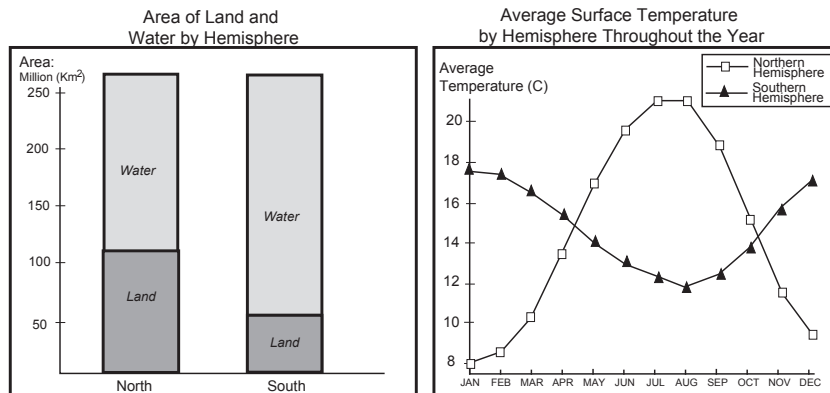
Insolation

1. How do the two maps of insolation compare to each other?
2. The hemisphere getting the most energy is the one experiencing summer. Which hemisphere is experiencing summer in January? Which hemisphere is experiencing summer in July?
3. Why is the insolation for January and July nearly opposite of each other?
4. Notice that the two hemispheres do not get equal amounts of energy. During which month does the northern hemisphere get the most energy? What season is it?

During which month does the southern hemisphere get the most energy? What season is it?

Are they the same?

5. Why do you think that the different hemispheres get different amounts of energy during the same time of year?
6. Using the graphs below, why do the hemispheres experience differences in temperature ranges for the same season?



Name _____

Period _____

Lab # _____

Visualization of Incoming Solar Energy for January and July

Directions:

Color in the incoming solar energy bar and the visualizations for incoming solar energy for January and July. Use the color indicated and color in between the bold lines.

