El Nino ***WebQuest***

http://www.classzone.com/books/earth_science/terc/content/investigations/esu601/esu601page01.cfm

READ!!! about the weather phenomenon known as El Niño and answer the following questions below.

1. List some examples of what El Niño can do to the weather of the world. (pg. 1)

2. How does El Niño develop? (pg2)

3. Draw a sketch of the ocean under normal, El Niño and La Niña conditions and label the **Thermocline**.

4. Estimate the latitude where warm El Niño water is located.(pg3)

5. During which months do ocean surface elevations begin to rise along the equator, indicating the beginning of an El Niño? (pg 4)

6. During which months does the El Niño end and the La Niña begin?

7. Describe the thermocline during normal, El Niño, and La Niña phases. (pg. 5 &6)

8. Describe changes in ocean temperatures characterizing each phase.

9. Choose one of the images or animations, and describe how it illustrates a particular part of the El Niño-La Niña cycle. (pg7)

10. How does the North Pacific jet stream change from the mean during the January-March 1998 phase of the El Niño? (pg.8)

11. How does the North Pacific jet stream change from the mean during the January-March 1989 phase of the La Niña?

12. Compare temperature and precipitation patterns around equatorial southeast Asia during El Niño and La Niña. (pg9)

13. How does the weather in the northwestern part of the United States differ between El Niño and La Niña? (pg10)

14. Compare temperature and precipitation patterns around the Southern United States during el Niño and la Niña.

15. How have temperature and precipitation departed from the average for our area of North Carolina during El Niño conditions? (pg11)

16. How have temperature and precipitation departed from the average for our area of North Carolina during La Niña conditions? (pg12)

17. Describe an El Niño- or La Niña-related impact, and explain how El Niño or La Niña is thought to have caused this impact. (pg13 and links) *Describe at least 4.*