Earth Science Snow Day 2 2014-2015 Lesson #2

*Please access the internet, (you tube) and type “The Ogallala Aquifer”. This is the main source of fresh water that supports agriculture and animal husbandry in the USA. After watching the video, answer these questions:*

1. Explain with a sketch what an aquifer is, showing the source, the recharge area, the permeable and impermeable layers and the water table.
2. Which states in the Great Plains does this aquifer underlie?
3. Where are the recharge areas of this aquifer located?
4. What is the difference between an ordinary well and an artesian well?
5. Explain why there is a huge disagreement between farmers, states and the Federal Government about the water use in this aquifer.
6. At the present rate of depletion, how much longer is this source of water supposed to last, if remedial steps are not taken?