1. Niagra Falls is roughly equivalent to the amount of water being drawn out of wells by ______________________________________

2. Locked in a tandem, polar orbit, twin satellites named _________________ measure small changes in ________________________ allows it to observe changes in water content from glaciers to groundwater.

3. _________________ means the land of Five Rivers

4. In _____________ the Punjab water table started decreasing

5. Water in an aquifer is called __________________________

6. Confined aquifers are sealed by two layers of __________________

7. How do people get their water in rural India? __________________________

8. Is groundwater regulated in India_______________________________________

9. _________________ __________________ spins corn in perfect circles

10. The High Plains Aquifer is also known as the ___________________

11. It extends from _________________ to Nebraska.

12. It is the largest freshwater aquifer in the _________________ hemisphere

13. When was irrigation developed in Kansas?

14. Will the Garetson Farm last another generation in Kansas?

15. The population in southwest Kansas would be reduced by ___________ or more if you remove water from the situation.

16. In one region of Morocco, when did the water run out____________

17. The groundwater in Morocco decreased by ____________________________

18. Where do Moroccans get their water now?

19. What is the main industry in Ica?

20. Peru has been one of the leading producers of fresh _______________ in the world

21. Asparagus is a very _____________ heavy crop

22. Why is asparagus being grown in Peru? _____________________________

23. Why are violent conflicts arising in Peru? ___________________________

24. What is happening to southern California? _____________________________

25. How did the cattle farmer reduce water usage on her ranch?

26. As the water level drops ____________ compacts and causes the ground to sink.

27. Subsidence happens when ______________________ particles rearrange into stacks and do not hold as much water.

28. What are some ways to help recharge the aquifers of the world?
__________________________________
Homework

Choose one topic to write a 2-3 paragraph response.

A. **Discuss** the consequences of a declining water table. Use at least 5 pieces of evidence from the documentary

B. **Consider** about why countries are growing crops in unfavorable areas of the world. What would be some of the **possible positive outcomes** if countries grew food that was better suited for their land and water availability. Support your claims with evidence. You may need to research what plants grow in specific areas of the world.
Pumped Dry: The Global Crisis of Vanishing Groundwater

1. USA
2. Grace, gravitational pull
3. Punjab
4. 1979
5. Groundwater
6. Rock
7. Community wells
8. No
9. Central Pivot Irrigation
10. Ogallala aquifer
11. North Texas
12. Western
13. 1950-60's
14. probably not because the well is running out of water
15. 90%
16. 5 years ago
17. 3 meters a year
18. Dams or surface water
19. Farming/ agriculture
20. asparagus
21. Water
22. Profit
23. wells are being sold to companies that are pumping water away from locals
24. New dustbowl
25. Reducing number of cattle, smaller pipes, not pumping the water all day
26. Clay
27. Clay
28. Reducing use, manage demand, change crops, develop new irrigation
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<th>Question</th>
<th>0 points</th>
<th>1-2 points</th>
<th>3-4 points</th>
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<tr>
<td>Discuss the consequences of a declining water table. Use at least 5 pieces of evidence from the documentary</td>
<td>Consequences are not similar to what was discussed in documentary, No evidence provided</td>
<td>Consequences are mentioned but vague, 1-3 pieces of evidence</td>
<td>Consequences are clearly stated and from the documentary, 4-5 pieces of evidence</td>
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<tr>
<td>Consider about why countries are growing crops in unfavorable areas of the world. What would be some of the possible positive outcomes if countries grew food that was better suited for their land and water availability. Support your claims with evidence</td>
<td>Possible outcomes not discussed, only negative</td>
<td>Possible outcomes discussed but vague and not fully explained, evidence doesn’t make sense with outcomes</td>
<td>Possible outcomes explained in detail and supported by evidence. Evidence can be provided in MLA format</td>
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