



Name _____

How Well Is My Well? Student Handout

Imagine that you are able to cut a water-well completely down its middle all the way to 10 feet past the bottom of the well.

A. Sketch what you think that side view might look.

Include details such as soil, rocks, measurements or any other features you think about.

B. My new information about human impacts on groundwater and wells (video) and about how groundwater and wells work (model, internet links and class discussion):

C. Use a different color pencil or pen to revise your drawing. Include your new understandings about groundwater, wells and human impact on groundwater availability.



D.1. I want to solve the problem of:

- Making sure that water is always available
- Making sure that the water is free of biological contaminants
- Making sure that the water is free of chemical contaminants
- Making sure that plants and humans both have enough water
- Making sure that water use is affordable to farmers
- Making sure that water use is affordable to residents
- Your idea-describe:

2. Thinking about a solution: Work with classmates to complete the table:

Change in part of my drawing/model that might solve the problem:	If I changed that part, what might happen:	Why I think the change would happen:

3. Select the change that you think would provide the most effective solution. _____

4. Tell why you think the proposed change would be the most effective solution for your selected problem:

5. Describe how you might measure whether your change solved the problem?

(Optional)

- 6. Data
- 7. Data analysis
- 8. Recommendations for revision or implementation.