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| 1. **Use the links provided to find information and fill out the chart.** | **Explain the use of water by humans in each situation.** | **Benefits** | **Limitations** |
| **Wells**  [EPA: Private Drinking Well Water](http://water.epa.gov/drink/info/well/index.cfm)  [USGS: Groundwater Wells](http://ga.water.usgs.gov/edu/earthgwwells.html) |  |  |  |
| **Aquifer depletion**  **(be sure to include subsidence and salt-water intrusion on the coast)**  [USGS: Groundwater Depletion](http://ga.water.usgs.gov/edu/gwdepletion.html)  [USGS: Land Subsidence](http://ga.water.usgs.gov/edu/earthgwlandsubside.html)  [EPS Saltwater Intrusion Fact Sheet](http://water.epa.gov/type/groundwater/uic/class5/upload/study_uic-class5_classvstudy_fs_salt_intr_wells.pdf)  [USGS Groundwater Quality](http://ga.water.usgs.gov/edu/earthgwquality.html) |  |  |  |
| **Dams and Dam Removal**  [Renewable Energy.com](http://www.renewableenergyworld.com/rea/blog/post/2013/10/is-dam-removal-really-an-environmental-panacea)  [AmericanRivers.org](http://www.americanrivers.org/initiatives/dams/projects/) |  |  |  |
| **Agriculture**  [USDA: Irrigation and Water Use](http://www.ers.usda.gov/topics/farm-practices-management/irrigation-water-use.aspx#.UmfXwPmsi_4)  [OECD: Water use in agriculture](http://www.oecd.org/environment/wateruseinagriculture.htm) |  |  |  |
| **Recreation**  [NCSU: Recreational Water Use](http://www.water.ncsu.edu/watershedss/dss/lake/recreation.html)  [UMN: Limiting the Impact of Recreation on Water Quality](http://www.extension.umn.edu/distribution/naturalresources/components/dd6946e.html)  [IPT: Water Quality: Recreation](http://www.iptv.org/exploremore/water/uses/use_recreation.cfm) |  |  |  |

1. **Evaluate the effects of population growth on potable water resources. Infer the future effects.**
2. **What are the effects of each issue:**

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| **Ground water pollution**  [EPA: Ground Water Contamination](http://www.epa.gov/superfund/students/wastsite/grndwatr.htm) |  |
| **Surface water pollution**  [EPA: Surface Water Contamination](http://www.epa.gov/superfund/students/wastsite/srfcspil.htm) |  |
| **Wetland and estuary degradation**  [EPA: Coastal Watershed Facts Sheet](http://water.epa.gov/type/oceb/fact5.cfm) |  |
| **Salt water intrusion**  [USGS: Fresh-Salt Water Interaction](http://water.usgs.gov/ogw/gwrp/saltwater/salt.html)  [Johnson State College](http://kanat.jsc.vsc.edu/student/spatafora/setup.htm) |  |

1. **Explain how pollutants might flow through a watershed and affect inhabitants that share the same water shed.** [(UFL: Sources of Pollution)](http://soils.ifas.ufl.edu/campuswaterquality/sources/)