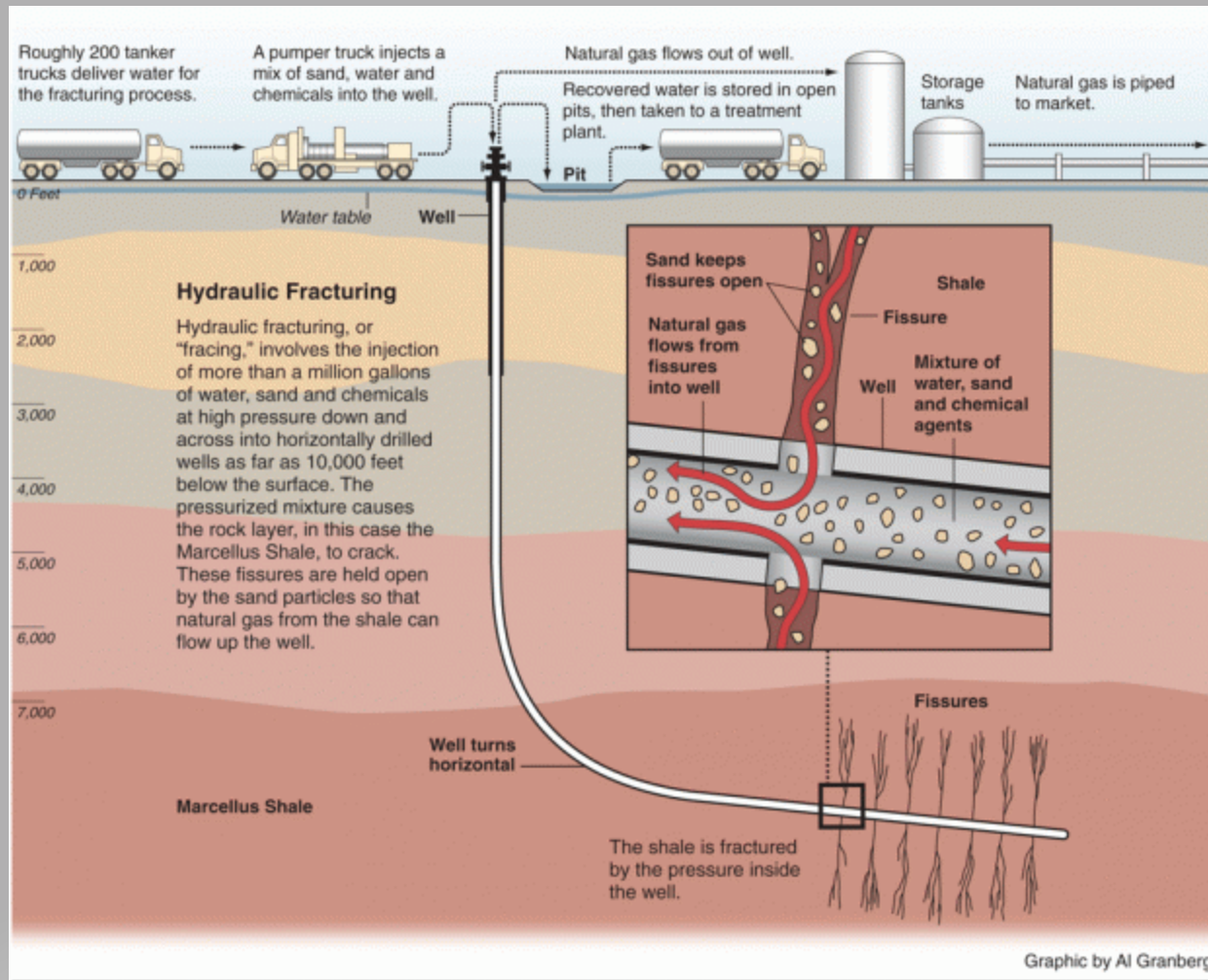


# What the Frack?

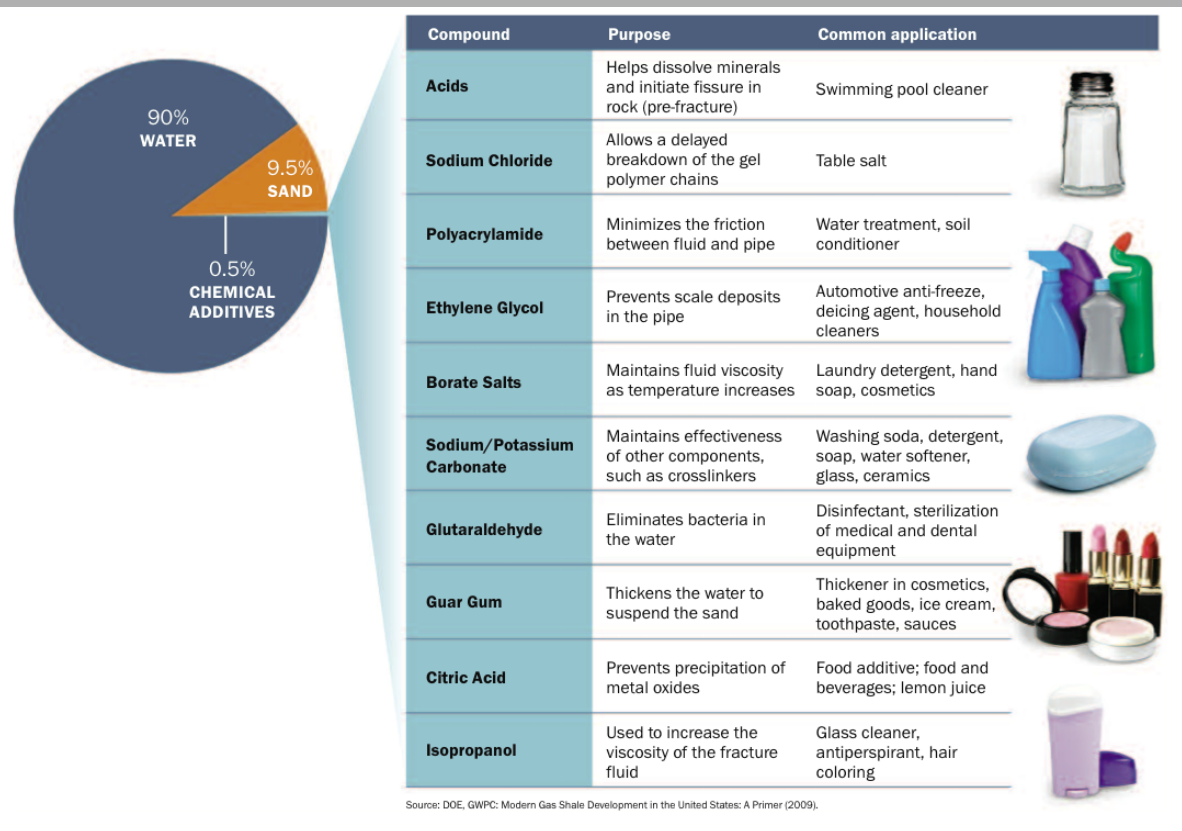
An examination of hydraulic fracturing and its  
environmental impact

Environmental Toxins  
CU Boulder Jun 2013



# What is it?

# Solvents: Benzene, 2-BE



## Fluid composition

- Seismic activity
- Water use
- Water contamination
  - Groundwater
  - Surface water
- Sediment runoff
- Exempt from Safe Drinking Water Act

**Concerns**

- “CleanStim” by Halliburton
- Food additives



Governor Hickenlooper

- Tracers in drinking water
- Seismic tests
- Better regulations
- Long-term monitoring

**Future**

- <http://www.energyfromshale.org/hydraulic-fracturing/how-hydraulic-fracturing-works>
- <http://stateimpact.npr.org/texas/tag/fracking/>
- <http://motherboard.vice.com/blog/the-governor-of-colorado-drank-halliburtons-fracking-fluid-for-some-reason>
- <http://www.americanthinker.com/articles/assets/Fracking%20Farce.png>

## Sources