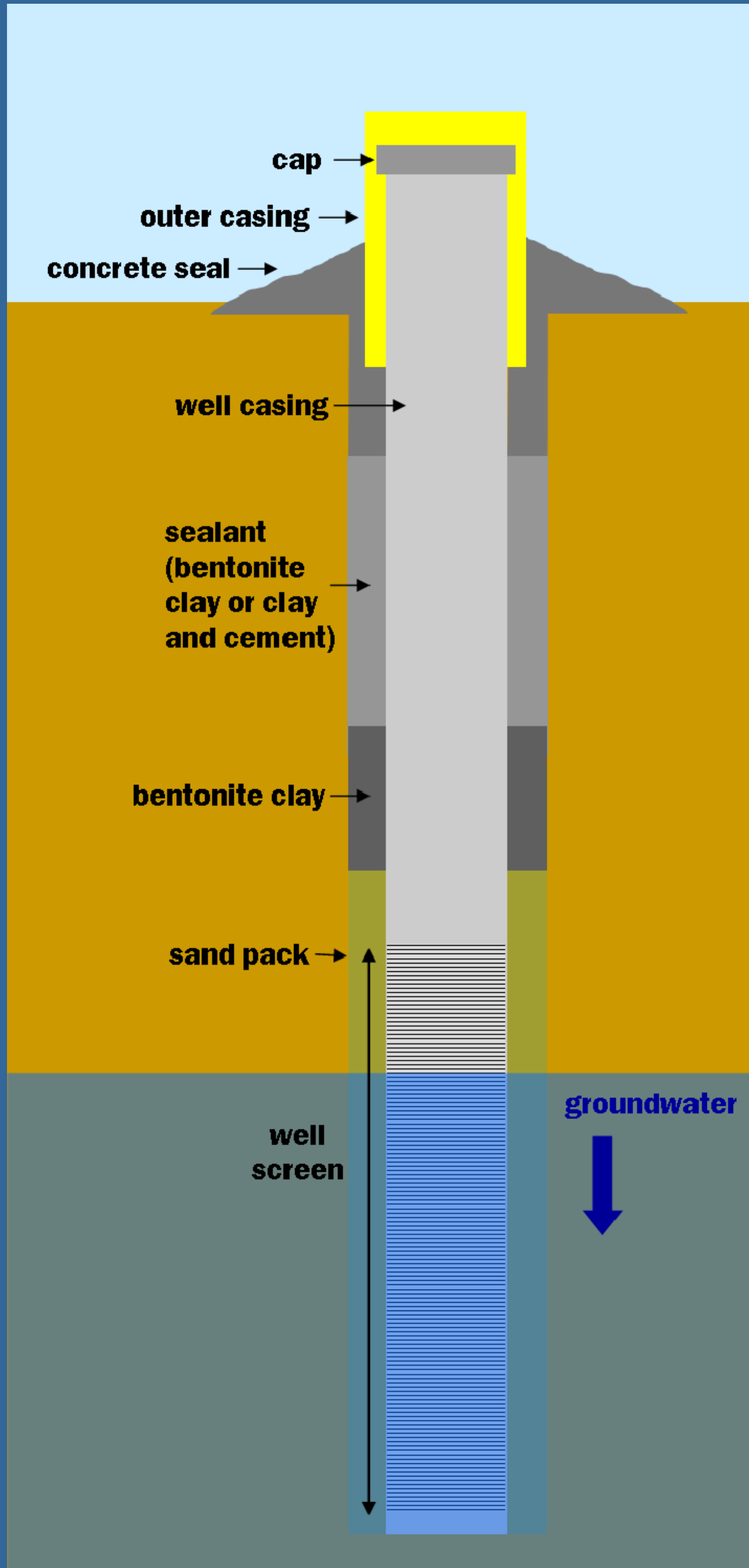


# Groundwater Sampling



## Groundwater Monitoring Well Installation

1. Wells are drilled from the ground surface straight down into the groundwater.
2. A well screen is used to keep surrounding soils from collapsing into the hole, while allowing water to flow in.
3. Once the screen is placed, fill materials (sand, clay, and grout) are packed into the space around it.
4. A solid-walled pipe, called a casing, connects the well screen with the surface.
5. The cap is placed over the top to protect it.



Well being drilled at a cleanup site in WA

## Groundwater Sampling Process

### Opening up the well



Wells are capped for protection. This prevents contamination from sources other than groundwater.

### Purging (cleaning)



Wells must first be cleaned of any stagnant water.

### Sampling



Samples are taken from the cleaned well. They should represent what is in the groundwater.

### Storing the sample



Samples are labeled and sent to a lab. Labs can analyze for a wide range of contaminants.