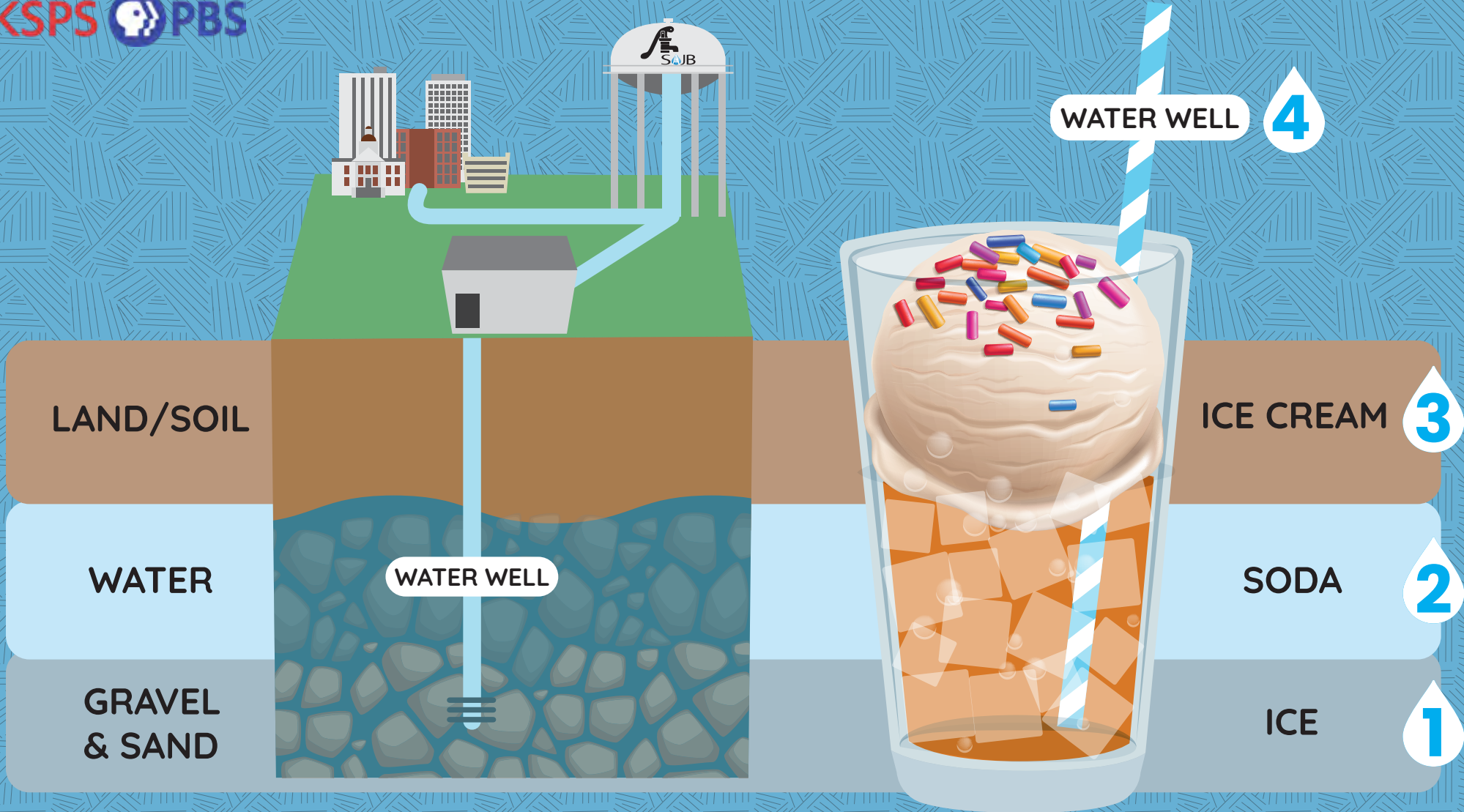




Build an Edible Aquifer!

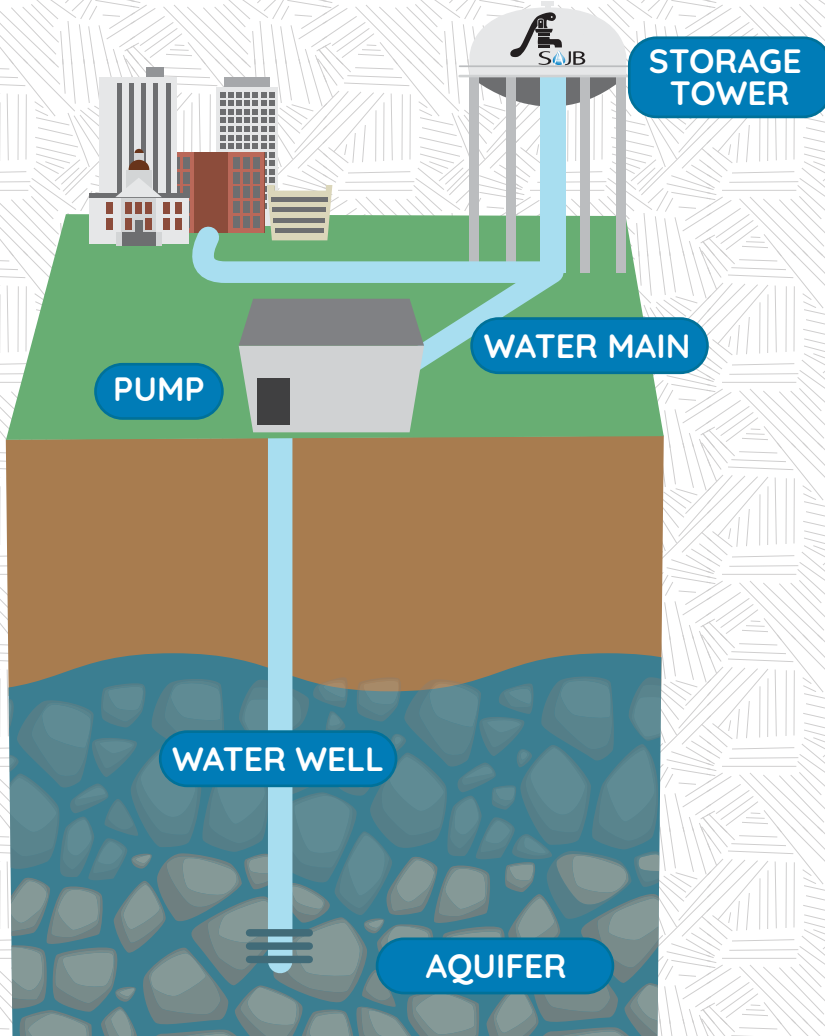


SVRP Aquifer

Ice Cream Soda

What is an aquifer?

The geologic formation of sand, gravel and rock where groundwater is stored.



How do I build an edible aquifer?

Gather the following materials:

- clear glass
- ice
- soda or sparkling water
- ice cream
- straw
- food coloring (optional)

Now, work through these steps:

1



Add ice to your cup, about half or $\frac{3}{4}$ of the way full.

»The ice represents the gravel and sand in the aquifer.

2



Fill your cup with enough soda to cover the ice.

»The soda represents water that's stored in the aquifer.

4



Twist your straw through the ice cream until it reaches the bottom of your cup.

»The straw represents a well and your mouth will be the pump!

3



Drop a scoop of ice cream on top of your ice and soda.

»The ice cream represents all the soil and land that sits on top of the aquifer.

Optional Extension:

If you have food coloring handy you can drop some on your ice cream to show what happens when people pollute the land. *It can end up in our aquifer!*

