



## Our Homes...

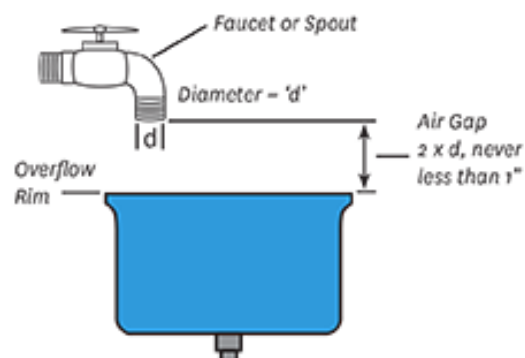
Have you ever considered all of the places that you use water in your home? You may be surprised how many different ways water can be used, and possibly misused.

### PREV

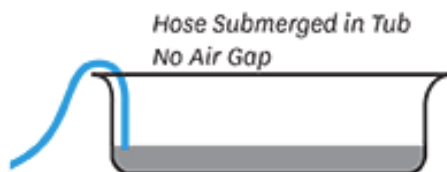
ure discusses a few of the uses of water that you might want to pay more attention to in order to protect the purity of the water you drink, cook with, or bath in. Let's look at a few examples.

## Sinks, Tubs, Tanks

The faucets in your bathroom or kitchen must be located so that the end of the faucet is above the overflow level of the sink or tub. Fill lines to water troughs or tanks must also be physically

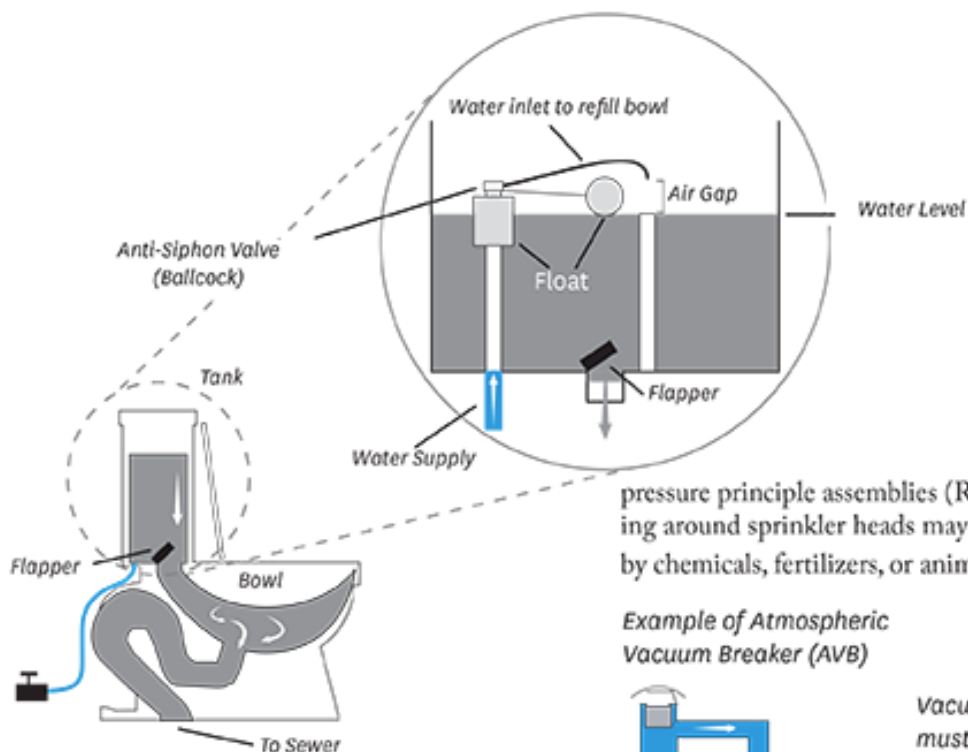


separated or "air-gapped." If there is no air-gap, then the contents of the sink, tub, or tank may be sucked or "backsiphoned" into the water line during a loss of water pressure.



## Toilets

Toilets need water to flush the waste material into the sewer system. The water that flushes the toilet enters into the toilet tank from the small hose or pipe connected to the bottom of the toilet tank. It is essential that the float-valve (or anti-siphon ballcock) inside of the toilet tank is



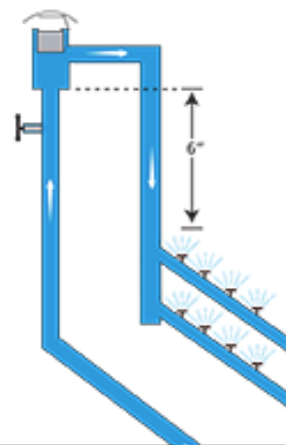
the correct type so that the contents of the toilet tank don't get back into the drinking water system in your house. As shown in the illustration, the anti-siphon ballcock and refill tube must be above the water level in the tank.

## Irrigation

Irrigation systems make watering of your lawn or garden much easier, but if not properly constructed, contaminants may backflow into your drinking water. Backflow protection may be provided with vacuum breakers: atmospheric (AVB) or pressure (PVB or SVB), or reduced

pressure principle assemblies (RP). Water pooling around sprinkler heads may be contaminated by chemicals, fertilizers, or animal waste.

### Example of Atmospheric Vacuum Breaker (AVB)



Vacuum Breakers must be installed above ground and above all sprinkler heads - a minimum of 6" for an AVB and 12" for a PVB and SVB

All shutoff valves must be upstream of AVBs