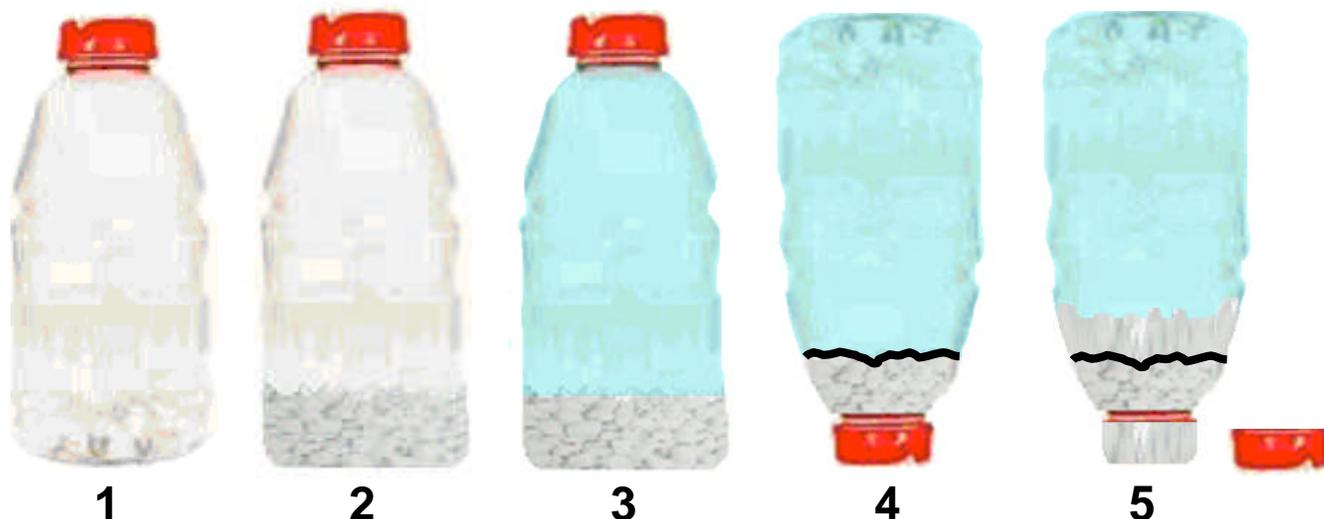


# AquaBlok® HYDRATION DEMONSTRATION



## Set-up Steps:

1. Obtain a clear 20 oz. Gatorade bottle (or wide-mouthed equivalent), remove label, rinse, and air dry.
2. Add 5-6 oz (one sample pack) of AquaBlok to the bottle.
3. Fill bottle with clean water, add cap, and immediately invert (4).
4. Tap any loose particles that stick to bottle so that they settle as evenly as possible on the cap-side of the inverted bottle. Draw a line at the particle/water boundary with a permanent marker. Note the date and time that water was added.
5. Leave the bottle standing on its cap end (4) for at least four hours before removing the cap. Full hydration can take 24 hours or more depending on water chemistry, but the vast majority of the swell and particle in-filling will take place in the first 4 – 8 hours after contacting water.

## Important Observations:

- First off, note that you are dry and haven't made a mess! Note that as the individual particles swell and hydrate they expand beyond the fill line. Also notice the in-filling of the interior void space between particles and the tight seal that results.
- Note the ability to squeeze the water-filled portion of the bottle and the effort necessary to try to extrude the hydrated clay/stone composite through the bottle opening.
- Note the individual stones visibly interspersed throughout the hydrated product (as seen against the sidewalls of the bottle and from the material visible through the open cap).
- Note the flexibility of the product by pushing the sides of the bottle in, then allowing the bottle to return to form – AquaBlok “self-keys” to complex shapes yet never “sets up” like concrete.
- Note the texture of hydrated product (often described as “very crunchy peanut butter”) by pushing on the exposed material at the bottom of the bottle.

