



### Composition of water bottle

#### I. Chemicals used in producing plastic

- \*Polyethylene terephthalate
- \*Bisphenol A
- \*Phosgene

#### II. Process in making plastic bottles

##### 1. Drying

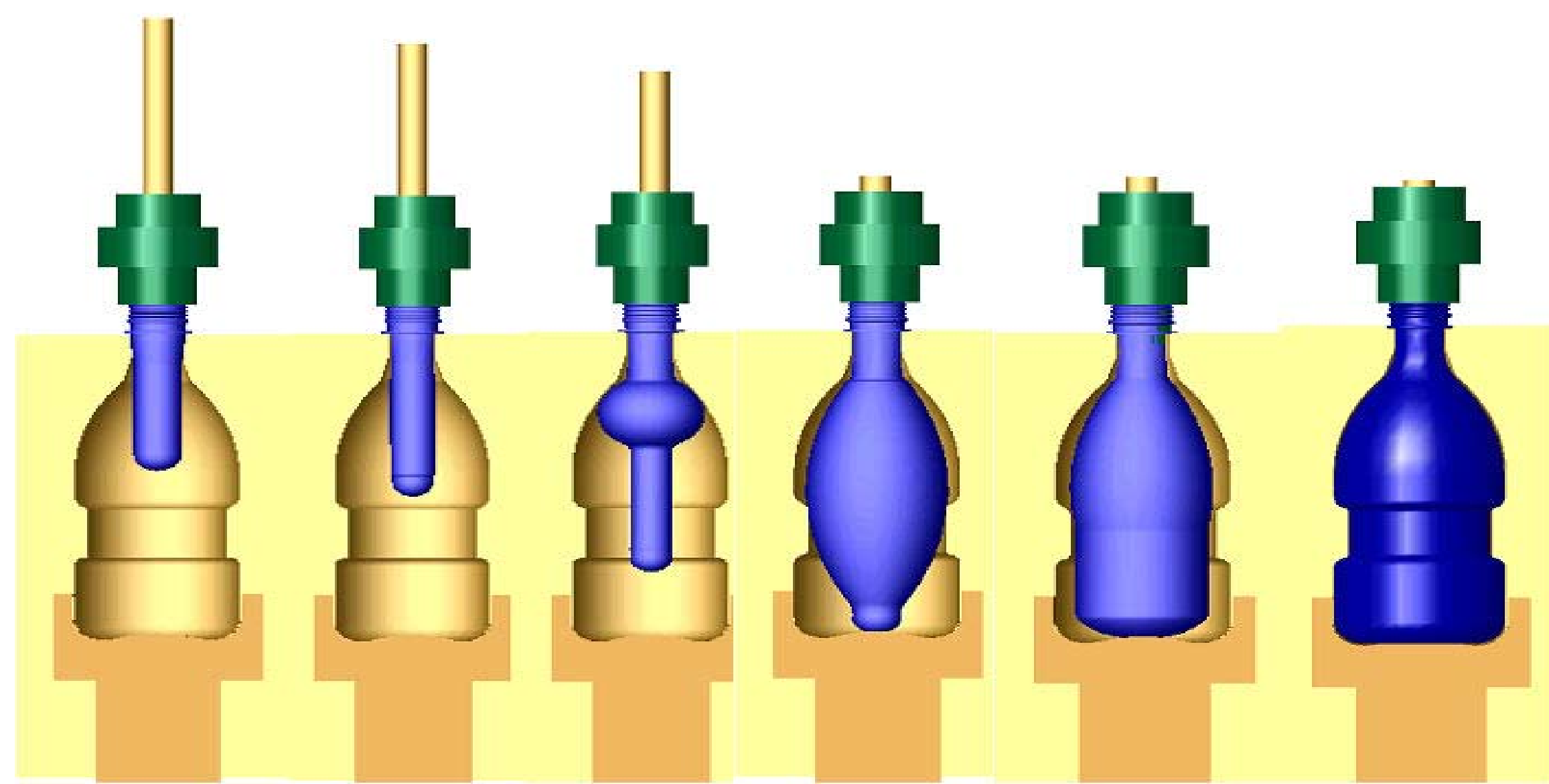
- \*Intrinsic Viscosity

##### 2. Mold Blowing

- \*Extrusion blow molding
- \*Injection blow molding
- \*Stretch blow molding

#### III. Identification of PETE bottles

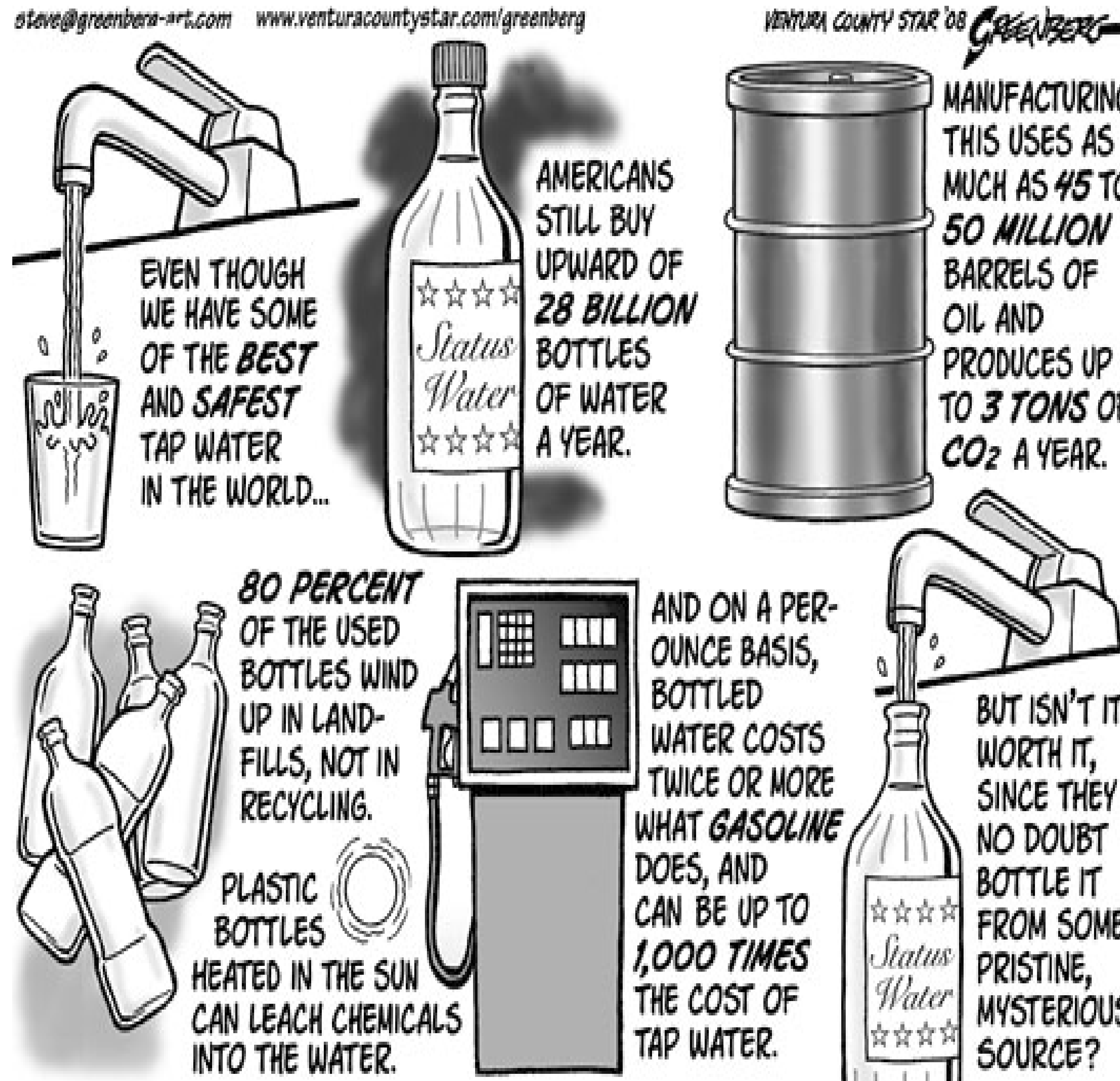
- \*PETE's Identification code #1
- \*Different types of bottles identified as #1



# HOW PLASTIC WATER BOTTLES AFFECT THE ENVIRONMENT

By

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### Twelve principles of green chemistry

\*The Green Chemistry Program recognize and supports chemical technologies that reduce or eliminate the use or generation of hazardous substances during the design, manufacture, and use of chemical products and processes.

### \*New water bottle

**appearance:** BIOTA is made by corn, that is 100% environmentally friendly and will biodegrade in 80 days direct from Colorado's San Juan.

<http://www.biotaspringwater.com/file qt bb.html>

### How long does plastic water bottle take to break down?

\*Plastic such as plastic water bottle is define as non-biodegradable wastes. Non-biodegradable wastes are dangerous chemicals and toxic. It take 450 years to break down taking up space that affect the pollution and environment.

