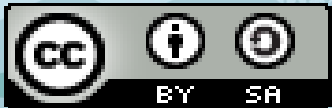


Plastic, the Environment & Ecobricks



OpenSource Free to Share

www.Ecobricks.org
BETA Release v0.9

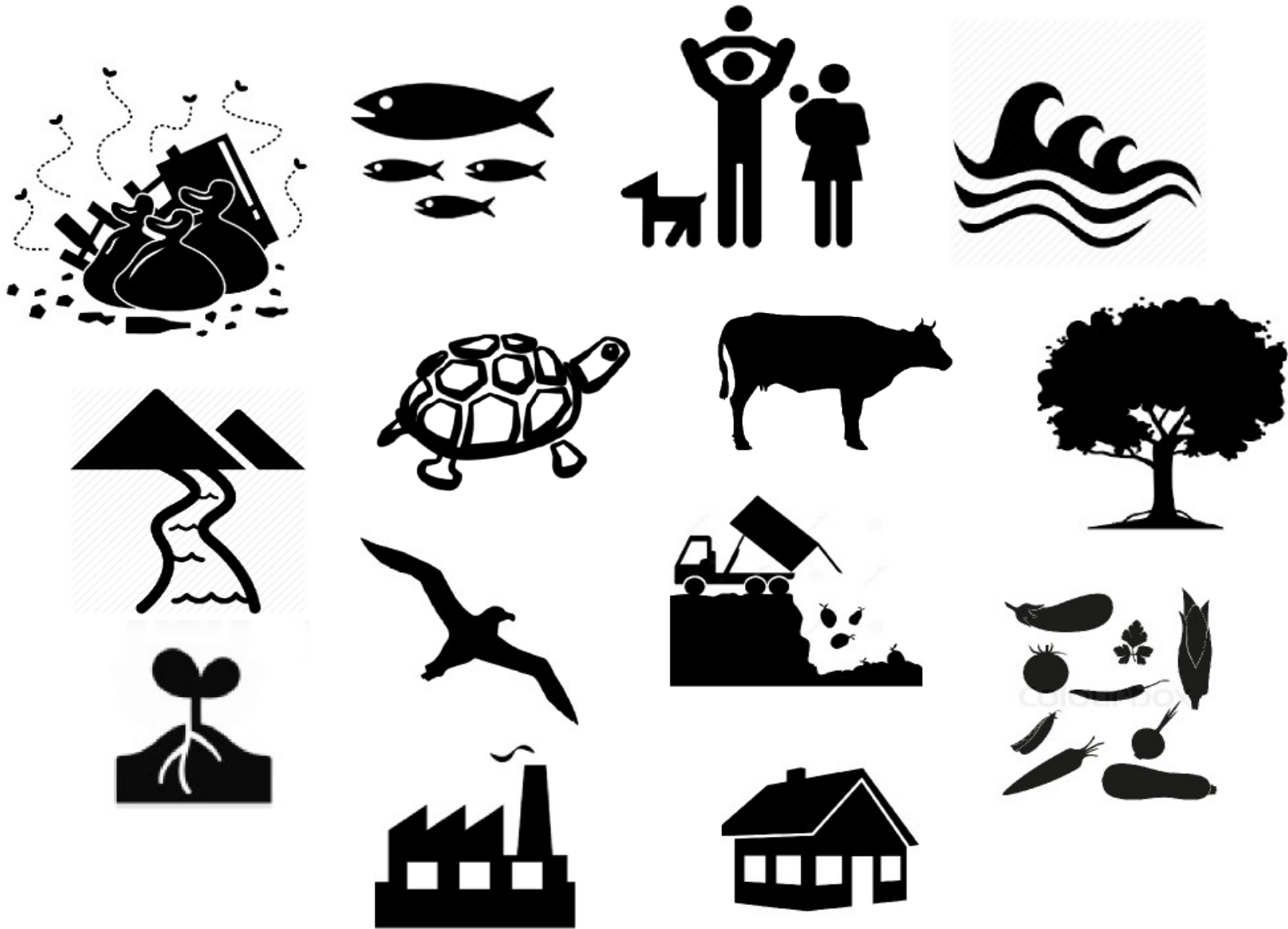


Plastic, the **Environment** & Ecobricks

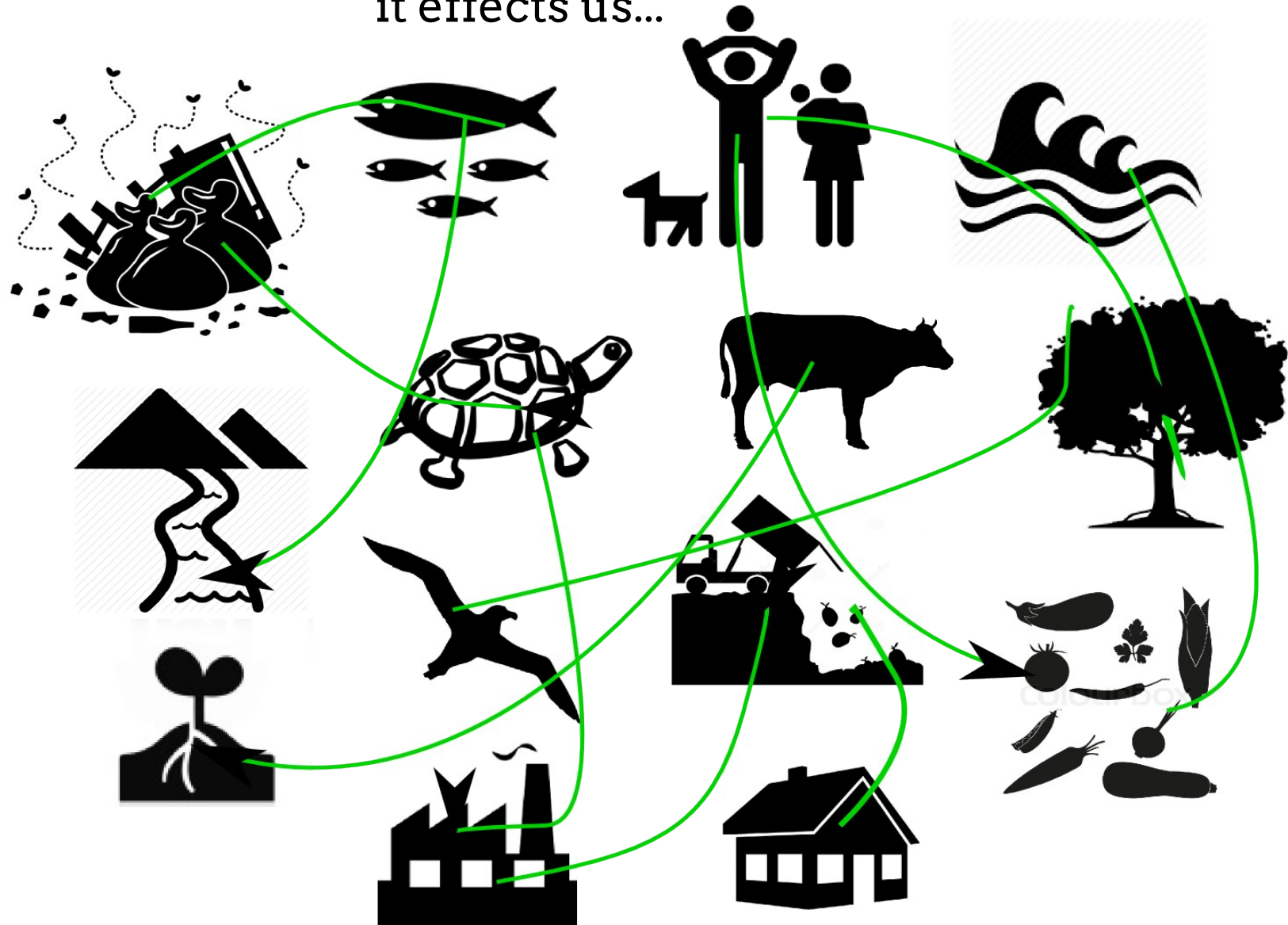
When plastics are littered, burned or dumped, they poison the Earth, Air, and Water. When we save, segregate and pack plastics into bottles, we can make building blocks that can be reused over and over again. Together we can build green spaces that enrich our community and environment.

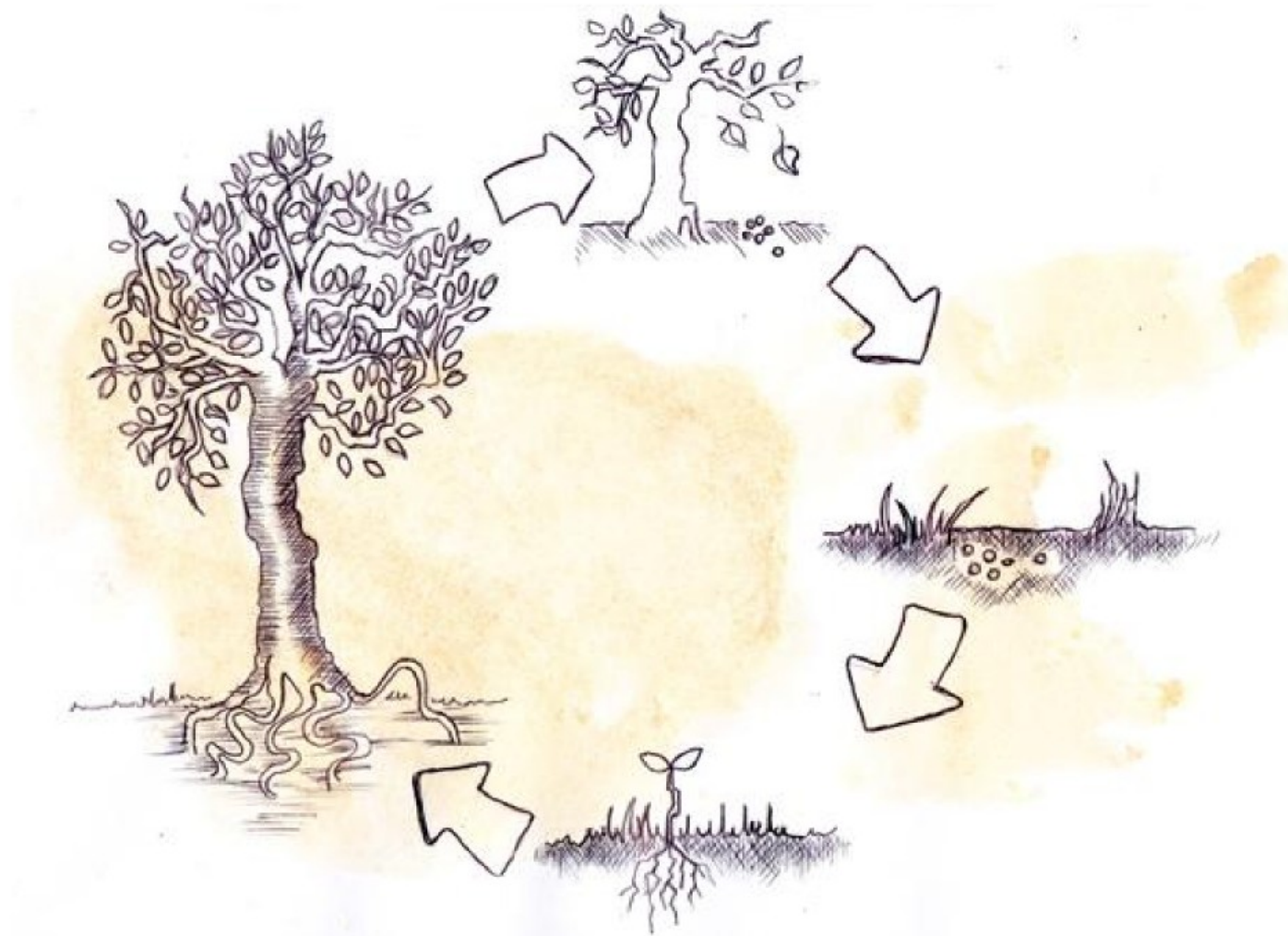


So, what is the 'Environment' exactly?



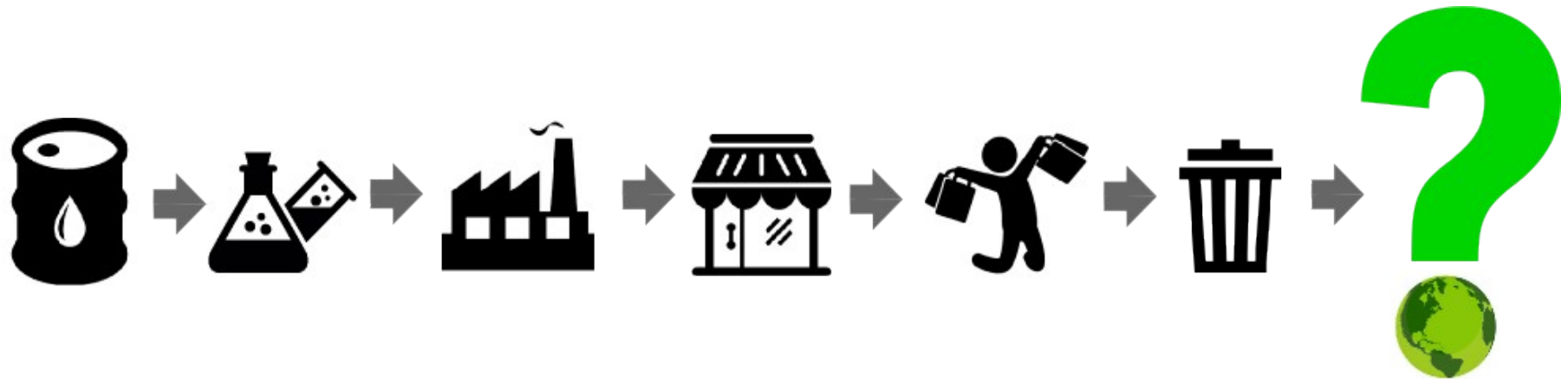
We are part of the **environment**-- a web of interconnections. We effect everything in it just as it effects us...





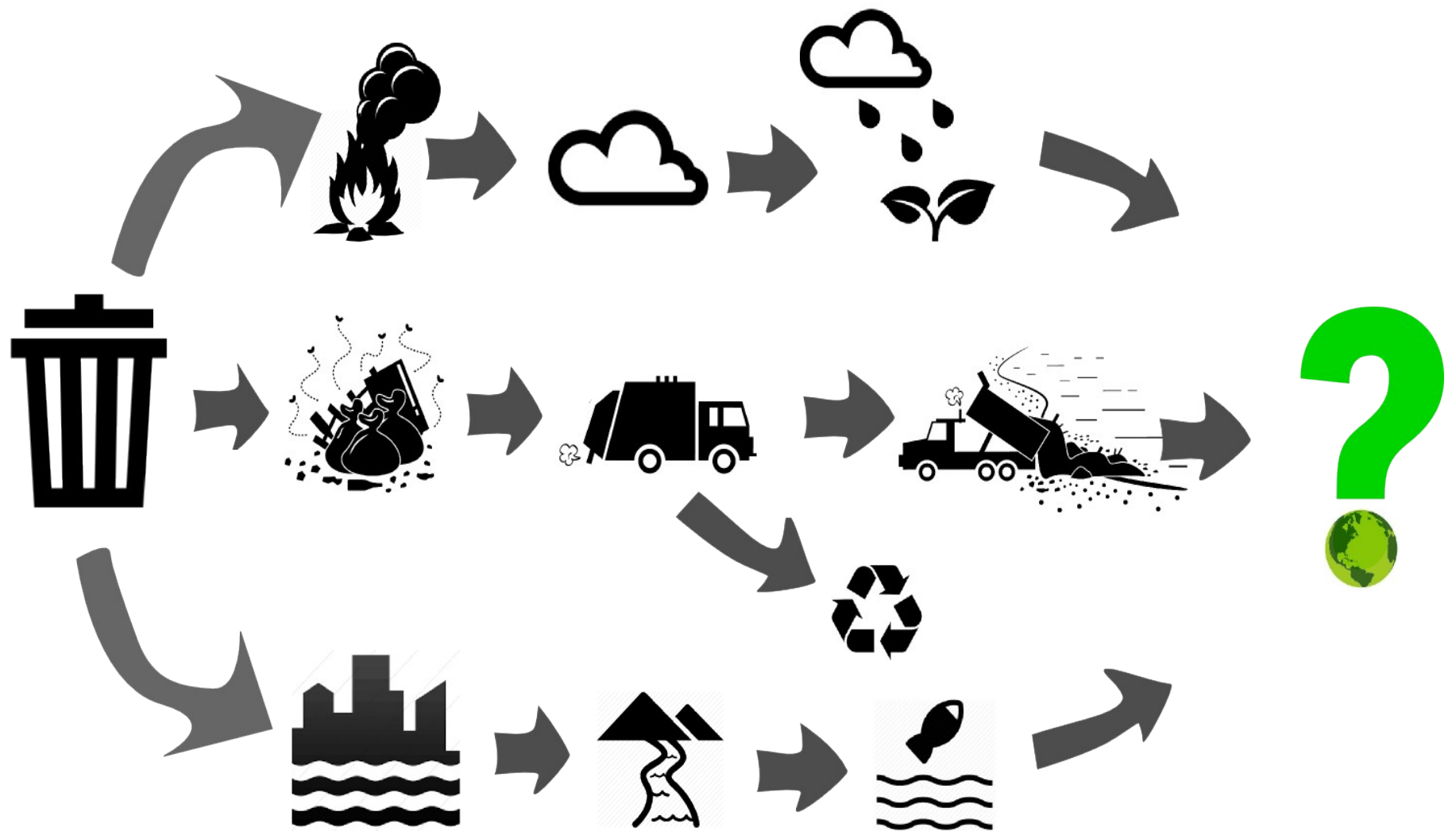
In the natural **environment** everything works in **circles** of 100% use and reuse.

However, we consume plastic in a **line**...

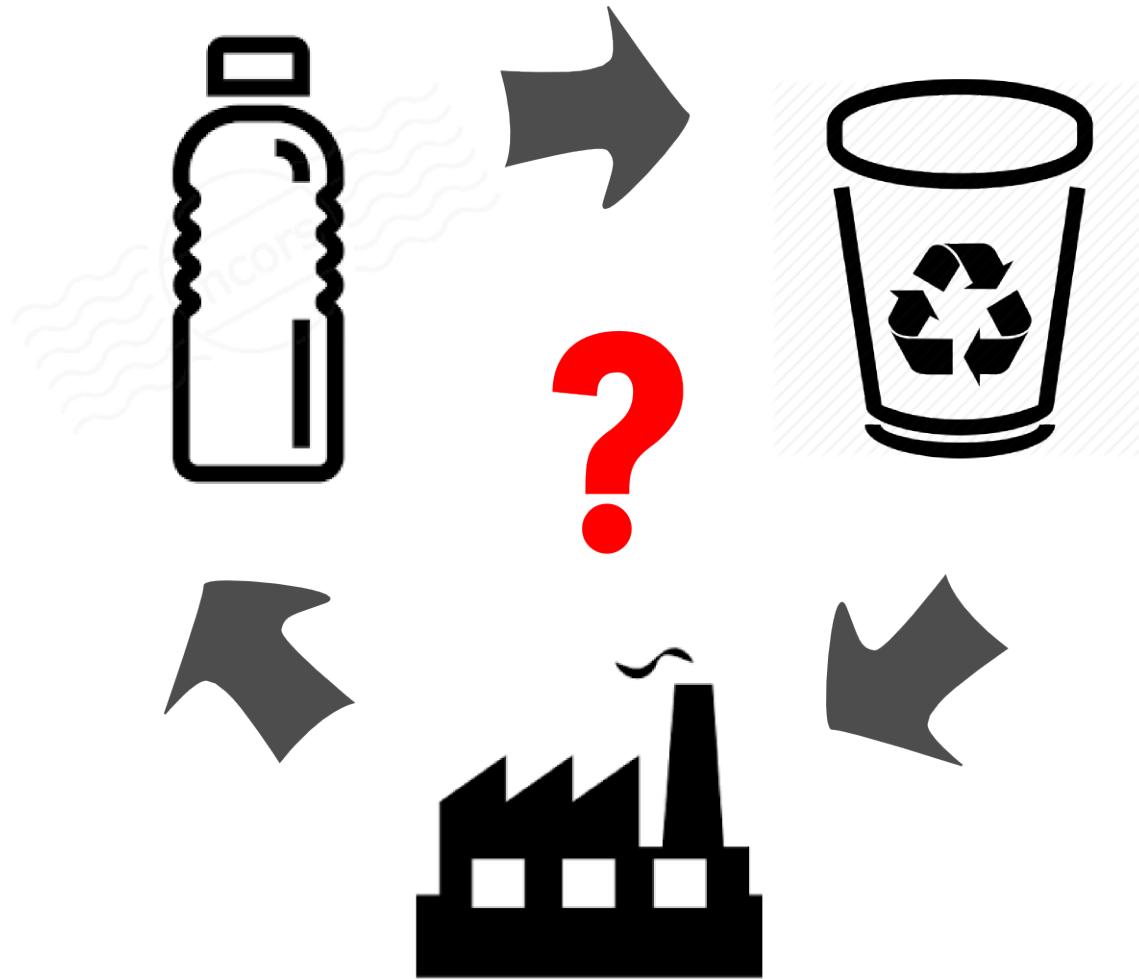


Where does it all go?

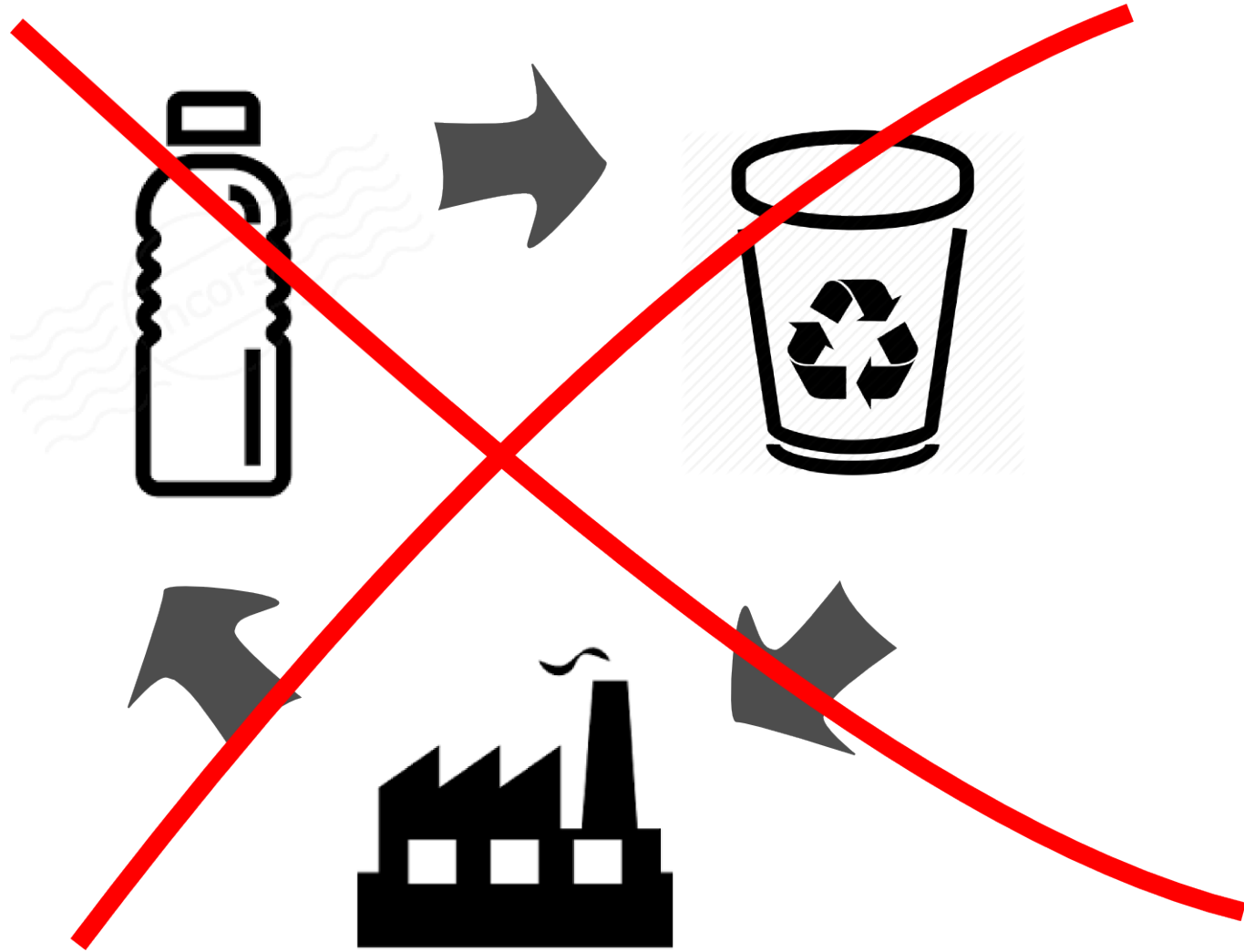
No matter what we do, plastic gets back into the environment.



But what about Recycling?



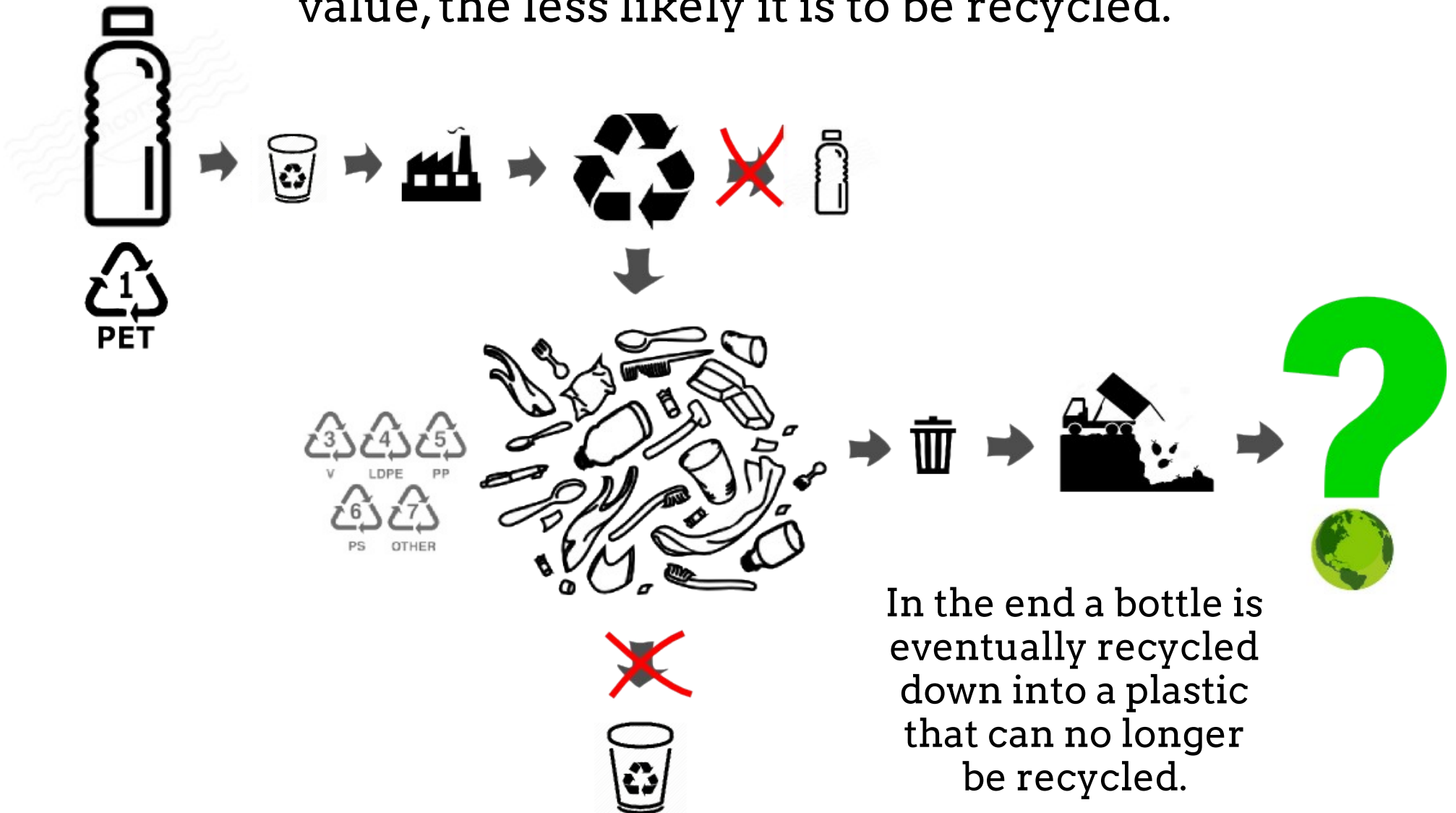
Recycling isn't a perfect circle like nature.



There are different grades of plastic.
Check out the number on your bottle or container.

PLASTIC RECYCLING CHART						
1	2	3	4	5	6	7
PET	HDPE	PVC	LDPE	PP	PS	OTHER
POLYETHYLENE TEREPHTHALATE	HIGH DENSITY POLYETHYLENE	POLYVINYL CHLORIDE	LOW DENSITY POLYETHYLENE	POLYPROPYLENE	POLYSTYRENE	OTHER PC POLYCARBONATE
COSMETIC CONTAINERS FOOD JARS JELLY AND JAM CONTAINERS MOUTHWASH BOTTLES PEANUT BUTTER CONTAINERS PLASTIC BOTTLES PREPARED FOOD TRAYS SALAD DRESSING BOTTLES SINGLE USE WATER BOTTLES SOFT DRINK BOTTLES SPORT DRINK BOTTLES	AGRICULTURAL PIPE DETERGENT BOTTLES EXTRUDED PIPE GROCERY BAGS ICE CREAM TUBS MILK JUGS JUICE JUGS OIL VINEGAR BOTTLES PAULS PLAYGROUND EQUIPMENT SHAMPOO BOTTLES SHIPPING CONTAINERS	BLISTER PACKS BLOOD BAGS CABLE SHEATHING CARPET BACKING FLOOR TILES GARDEN HOSE MEAT WRAP MEDICAL TUBING OUTDOOR FURNITURE PLUMBING PIPE WINDOW FRAMES WIRE INSULATION	6-PACK RINGS BREAD BAGS DRY CLEANING BAGS GARBAGE BAGS HEAVY DUTY BAGS MOLDED LABORATORY EQUIPMENT PLASTIC FOOD WRAP RECYCLING BINS SQUEEZABLE BOTTLES TOYS	BOTTLE CAPS CEREAL LINERS COTTAGE CHEESE CONTAINERS HINGED LUNCH BOXES KETCHUP BOTTLES MARGARINE CONTAINERS MEDICINE BOTTLES MICROWAVE OVENWARE PACKING TAPE POTATO CHIP BAGS RUBBERMAID CONTAINERS STRAWS	CAFETERIA TRAYS CD AND VIDEO CASES DISPOSABLE HOT OR COLD DRINK CUPS & PAPER PLATES DRINKING GLASSES EGG CARTONS FAST FOOD CLAMSHELLS FOAM PACKING HINGED BAKERY CONTAINERS PACKING PEANUTS PLASTIC CUTLERY STYROFOAM TOYS YOGURT CONTAINERS	BABY BOTTLES CAR PARTS FIBERGLASS LARGE WATER BOTTLES NALGENE BOTTLES SIPPY CUPS TUPPERWARE WATER COOLER BOTTLES

Plastic is **down-cycled** from one grade another. The lower the grade the less the value. The less the value, the less likely it is to be recycled.



In the end a bottle is eventually recycled down into a plastic that can no longer be recycled.

In the end every molecule of plastic that we consume ends up in the **Environment**.



These plastics don't fit into the ecosystems that sustain us and our fellow species.



Plastics don't fit back into the Environment.



Every piece of plastic goes back to the Environment.



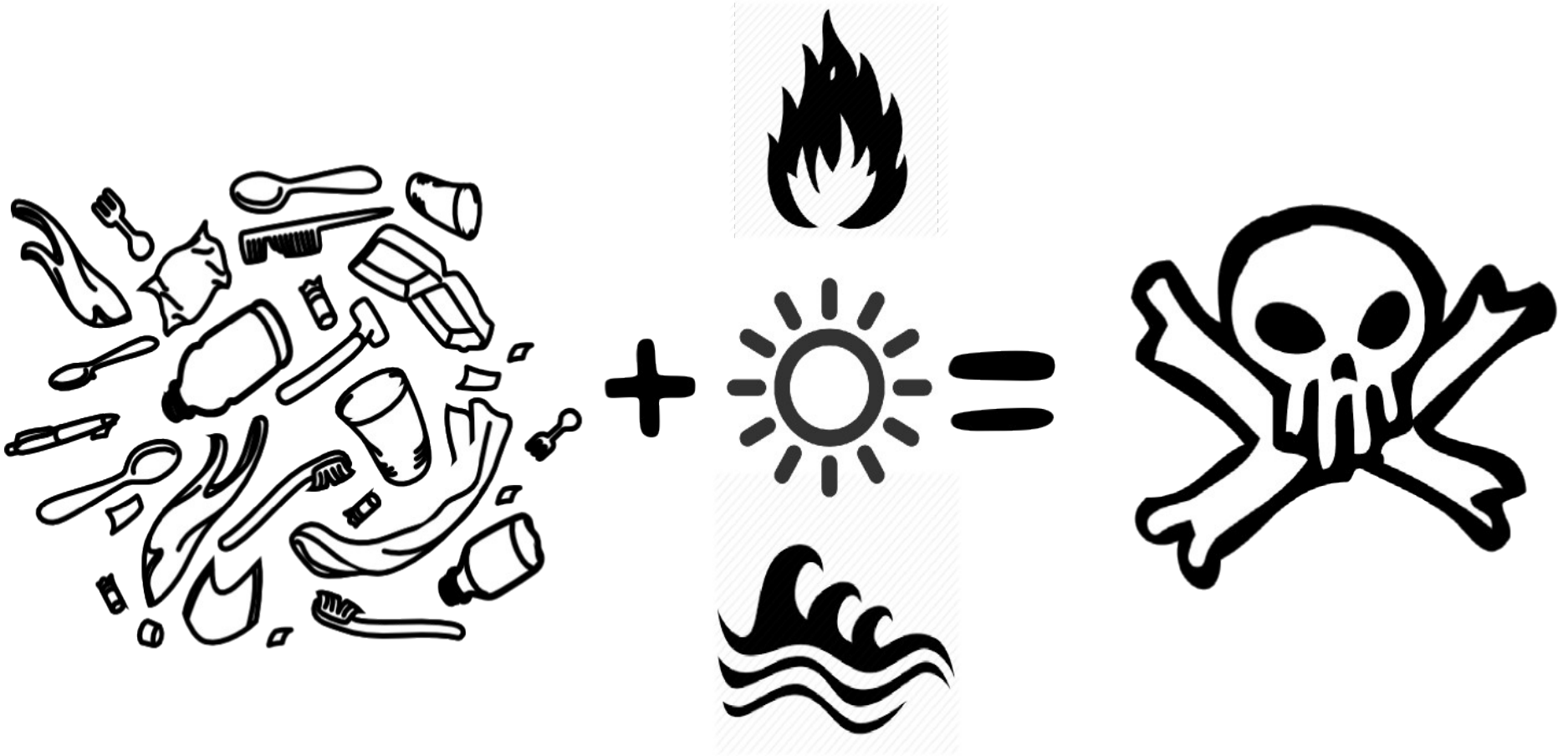
Setiap cuil plastik pergi ke satu tempat.

Plastics will be around for a long time.

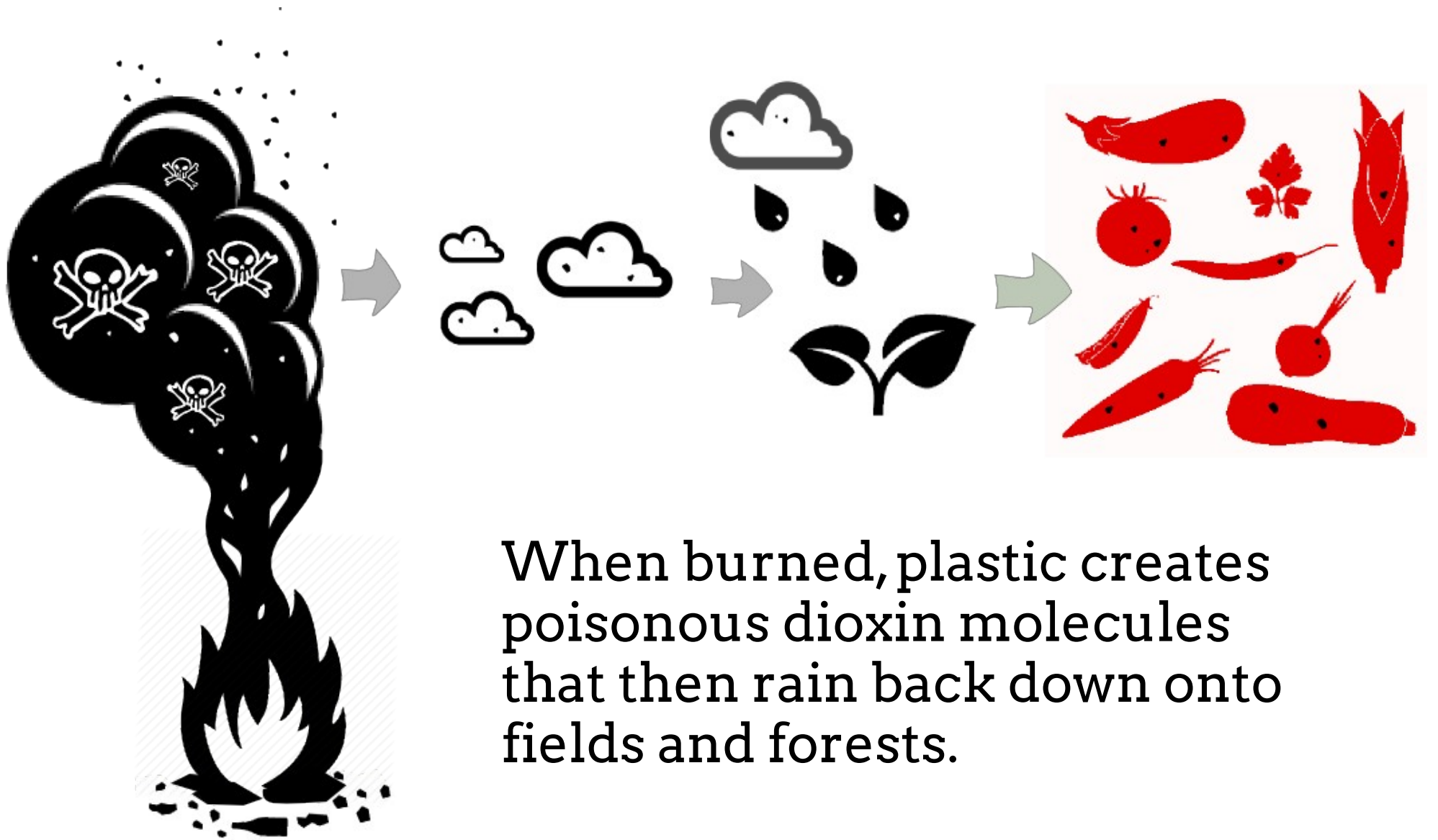




Remember that smell of plastic burning?



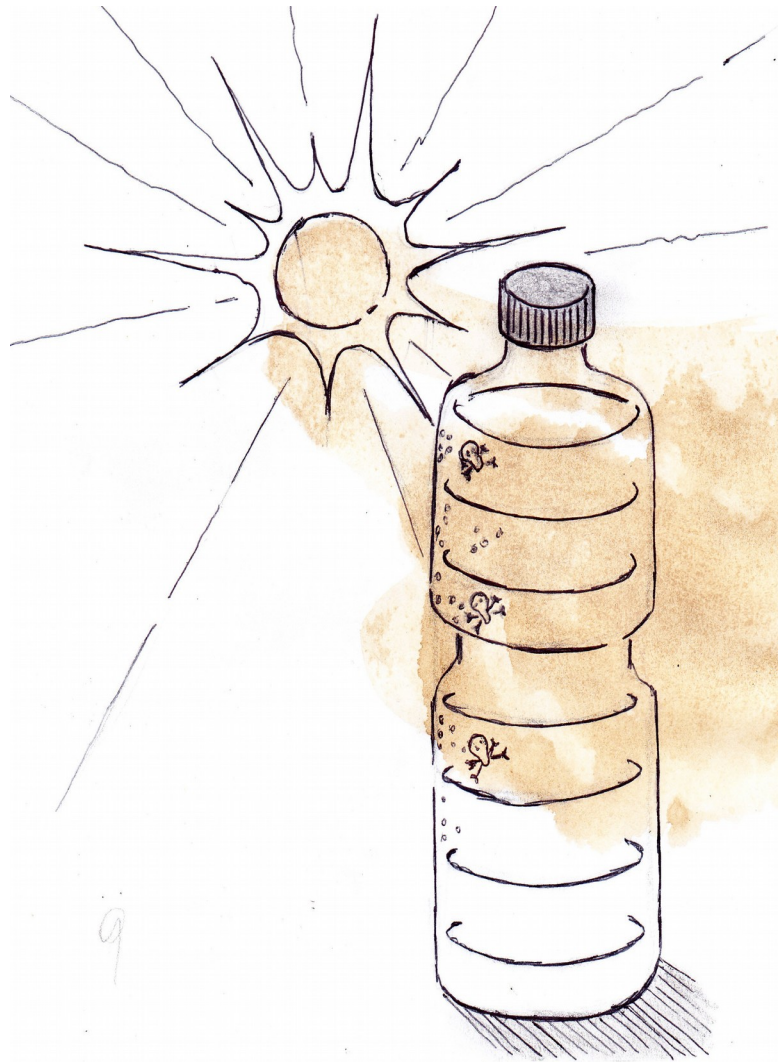
Plastic + fire or sun or water creates
poisonous molecules.



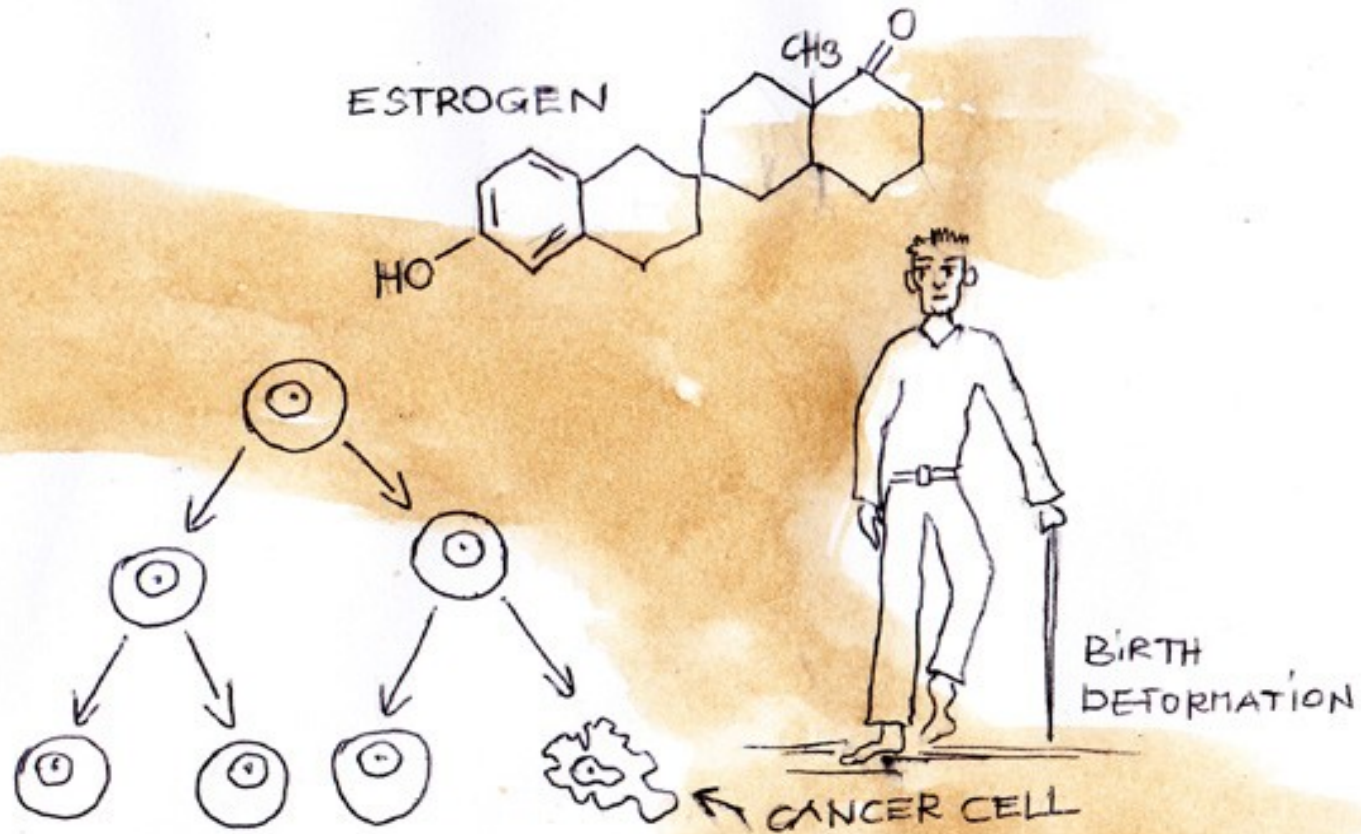
When burned, plastic creates poisonous dioxin molecules that then rain back down onto fields and forests.



The UV rays from the sun cause plastic to break down into smaller and smaller **pieces**. This process creates more poisonous molecules that enter the ecosystem.



This process of plastic **photodegradation** also releases toxic molecules into water.



Plastic molecules don't fit into our human systems.

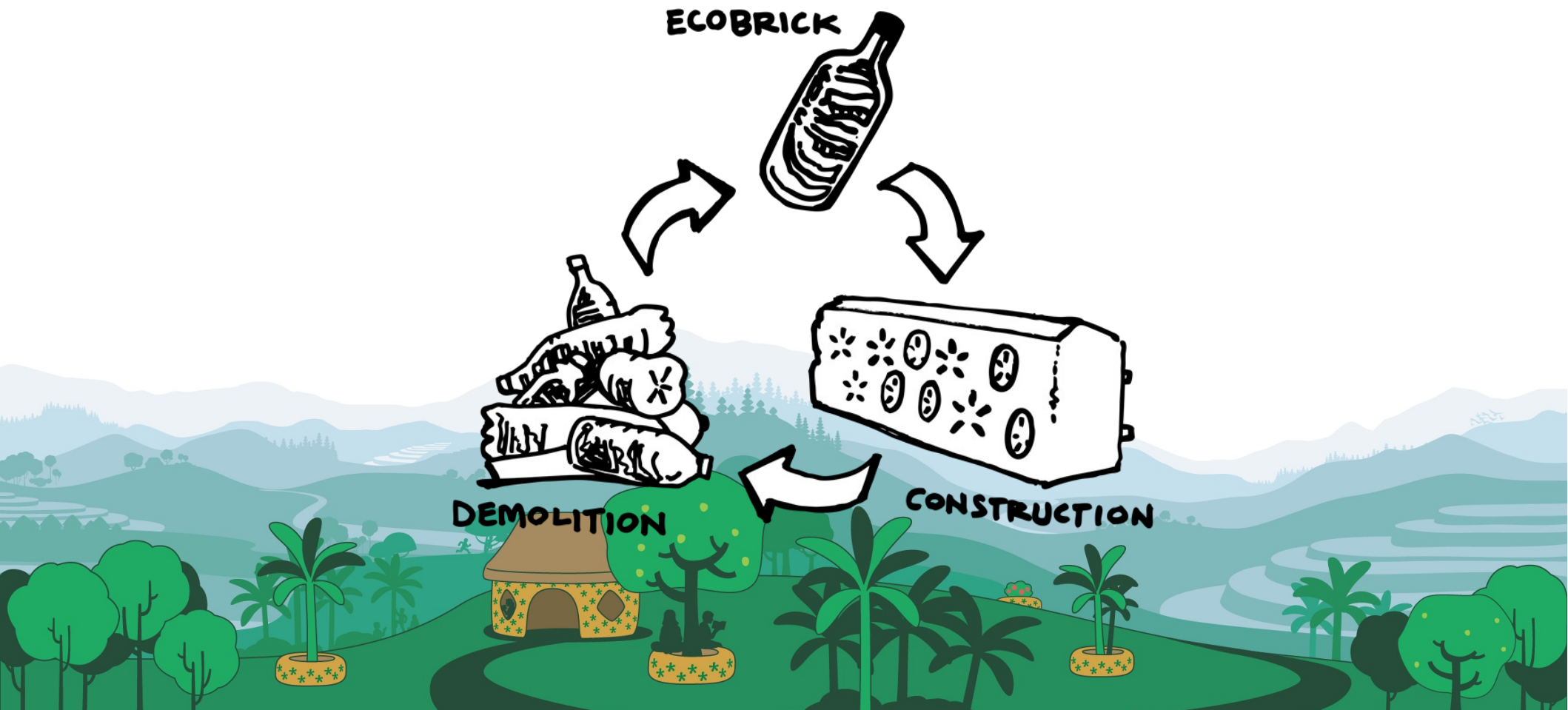
They emulate estrogen, which can cause birth defects, cancer and degenerative diseases. These molecules bioaccumulate in our bodies and are passed on through mothers to the young.

So what can we do?

- **Be conscious of our consumption.**
 - **Switch from plastics to organics.**
 - **Start making ecobricks with our leftover plastics**
 - **Teach others how to make ecobricks and build something great for the community.**
- 

Ecobricks are a solution.

Ecobricks leverage the long-life span of plastics to make a building block that can be used over and over again. This means we can take plastic out of dead-end line, and put it into a **circle** of use and reuse.



How to make an Ecobrick?



Making an Ecobrick is easy. But, start right— this is a long-term lifestyle habit that you are beginning. Your first ecobrick is your most important-- follow the simple guidelines to make it great.

1.

Pack Ecobricks with non-biodegradebles only.



No...



Paper



Glass



Metal

2.



Use a stick to pack the bottle super tight. Get as much in to maximize space and make a solid brick.

3.

Pakai plastik yang lembut untuk memberi warna pada dasar botol.



3.

Use a colored soft plastic to give the brick bottom a color. This will make your ecobrick constructions colorful!



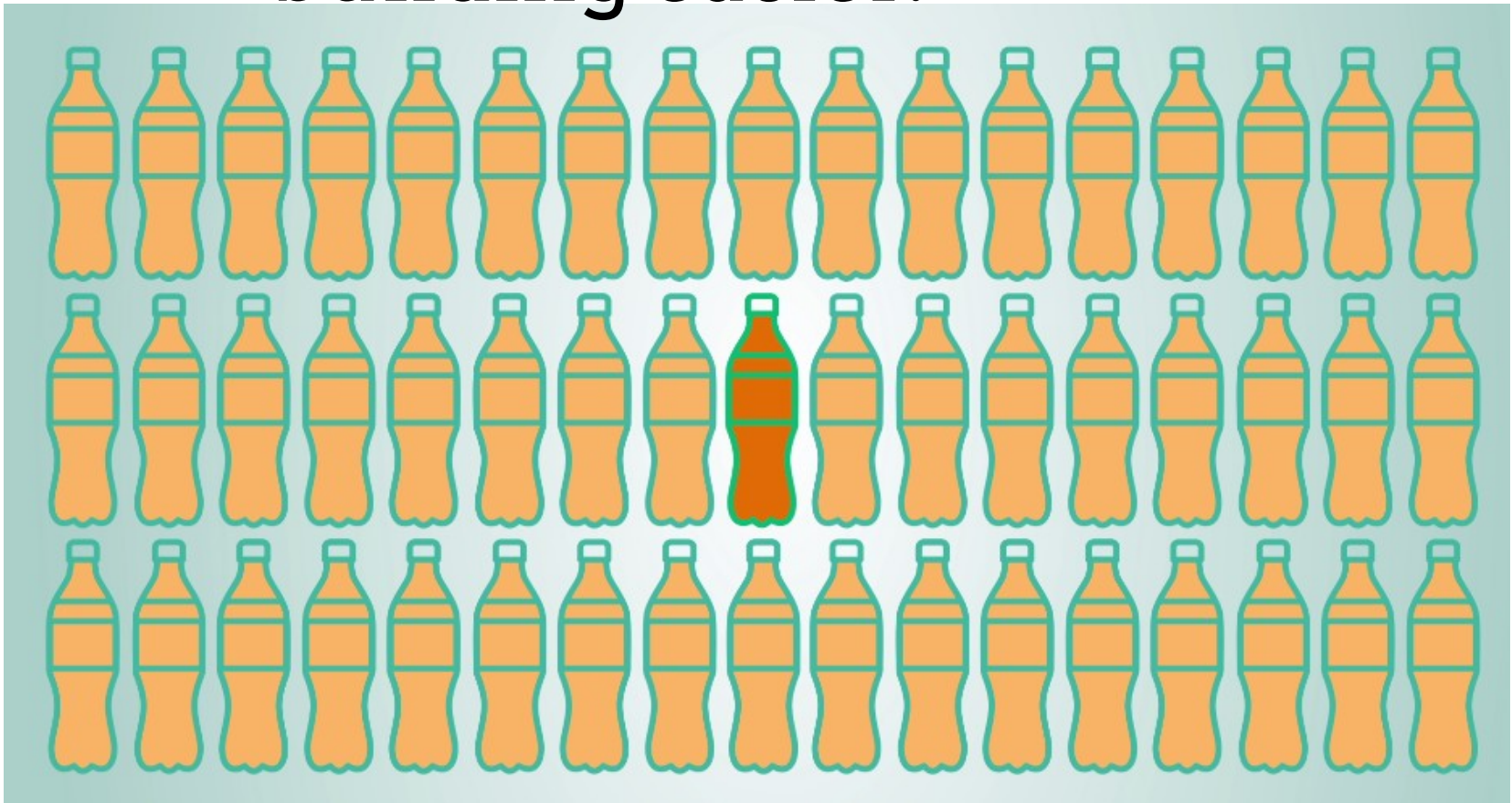
4.

Pakai botol dengan merk dan ukuran yang sama untuk proyek Anda.



4.

Use the same brand of bottle so that all your bricks are the same. This will make building easier.



5. Catat dan data setiap ada yang mengumpulkan ecobrick.



Www.Ecobricks.org > Top Menu > Log Data

5.

Log each ecobrick as it comes in. This way you can track your community progress.



[Www.Ecobricks.org](http://www.Ecobricks.org) > Top Menu > Log Data

6.

Download our free construction guide and start building a community green space with your ecobricks!



PDF

Ecobrick Construction Guide

Use Transformed Trash to build Simple, Practical & Beautiful Green-spaces through the Power of Community Collaboration

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Credits

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