What really happens to the plastic you throw away

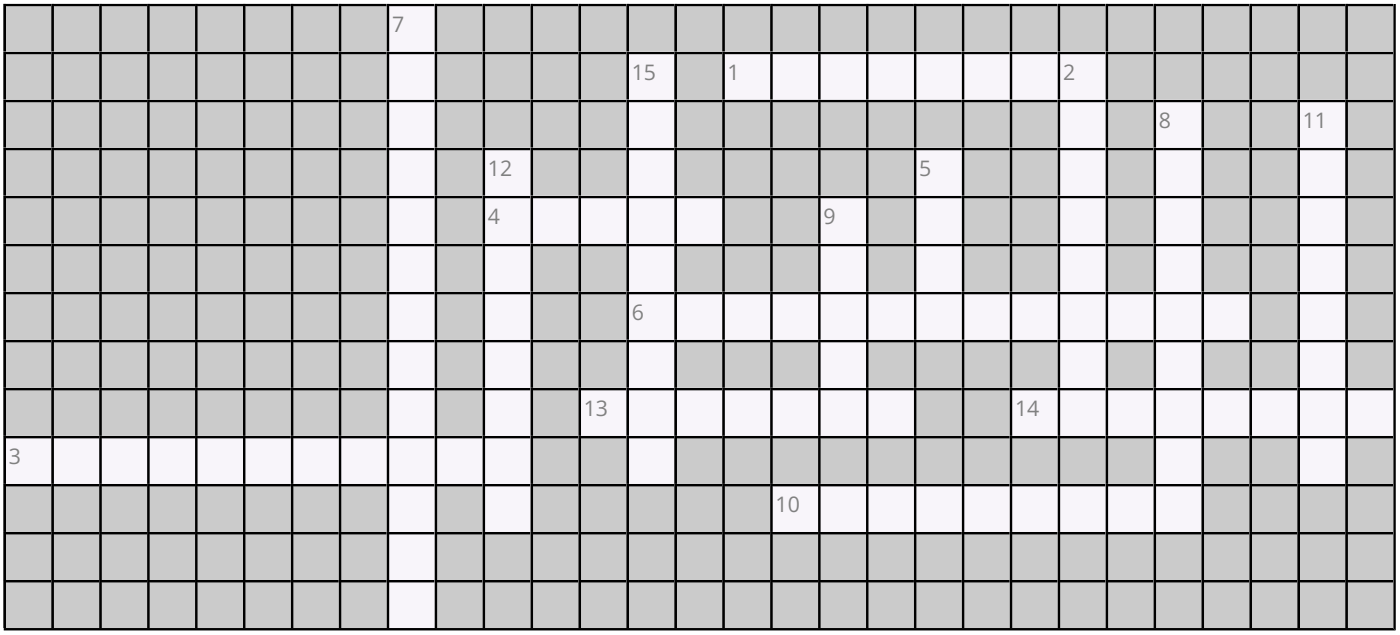


Name: Date:

Youtube: What really happens to the plastic you throw away - Emma Bryce

To watch the youtube video just scan the QR code.

https://www.youtube.com/watch?v=_6xlNyWPpB8



Across

1 Place where lots of trash is buried and piled up (8)
3 Layer of water found underground that can be polluted by leaking chemicals (11)
4 Large body of salt water where rivers often end (5)
6 Name of the huge trash-collecting area in the Pacific Ocean (13)
10 Action that breaks material into tiny pieces before washing and melting (9)
13 Tiny bits of plastic made at factories before being melted and molded (7)
14 Where oil and gas are processed into materials used to make plastic (8)

Down

2 Harmful liquid formed when rainwater soaks through waste and picks up toxic compounds (8)
5 Massive rotating current area where floating trash gathers (4)
7 Tiny plastic pieces formed when larger plastics break apart (13)
8 Process of turning used plastic into raw material that can be made into something new (9)
9 Facility where collected bottles are sorted, flattened, and processed (5)
11 Small building blocks created when oil and gas molecules bond (8)
12 Long chains formed when many monomers bond together (8)
15 Animals can get caught in plastic debris and be unable to move (9)

Match each term to its meaning from the video.

Landfill	Small molecules used to make plastic
Leachate	Bottles shredded, washed, remelted
Gyre	Tiny pieces from broken plastic
Garbage Patch	Huge Pacific area full of plastics
Microplastics	Trash buried and compressed
Monomers	Toxic liquid from rain + waste
Polymers	Long chains built from monomers
Recycling plant	Rotating current that traps debris

Where do the plastic bottles originally come from before they are made into bottles?

What environmental problem can happen when plastic sits in a landfill for a long time?

How can recycling change the outcome for a plastic bottle compared to landfill or ocean pollution?