Break the Cycle

sustainability science for sustainable schools









Bottled Water

- Every year, 28 billion bottles of water are produced and consumed in the United States.
- It takes energy and resources to produce bottled water and we recycle only 1 in 5.
- Is bottled water unsustainable?
- Using the pictures, recreate the life cycle of a bottle of water.



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Cradle to Grave









What can we do to break the cycle?

Most water bottles have a **linear** life cycle. The resources that go into making the plastic are not recycled or reused. This is referred to as **cradle-to-grave life cycle**.

 What choices can we make as consumers to change the life cycle of bottled water?



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Recycle!

























Cradle to Cradle Manufacturing: Lego analogy

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Circular life cycle







Pieces become something else after being used



Which are usually born again?









Which are usually born again?



65%



66%

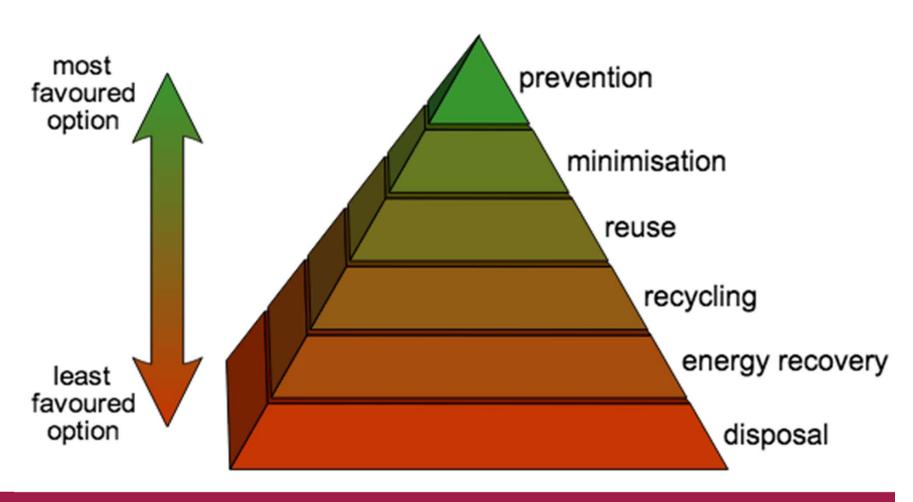


99%



20%

How else can you break the cycle?



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By using reusable water bottles and drinking tap water, we can break the cycle

Why don't more Americans choose to drink tap water?



Water Bottle Taste Test

 To see if bottled water really is superior to tap water, let's do a taste test as a class!!

What about tap water's life cycle?

Find out where the water in your area comes from:

http://www.nature.org/all-hands-on-earth/water

or

http://water.epa.gov/drink/local/



Where does tap water go?



http://www.youtube.com/watch?v=oaXth88i7rk



For more information on Water Treatment:

http://www.epa.gov/ogwdw/watertreatmentplant/flash/index.
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