

# E-Waste: What Does the Future Look Like?

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## What is e-Waste?

E-waste is a popular, informal name for electronic products nearing the end of their "useful life." Computers, televisions, VCRs, stereos, copiers, and fax machines are common electronic products. Many of these products can be reused, refurbished, or recycled.

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## E-waste is the Toxic Legacy of our Digital Age

Our waste electronics are polluting drinking water and harming ecosystems around the world. It's time to fix the problem.

- ▶ All electronic scrap items, such as CRTs, may contain contaminants such as lead, cadmium, beryllium, or brominated flame retardants.



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## Technological Advances effects on e-Waste

With Technology advances, people replace things: smartphones, tablets, phablets, laptops, LEDs, LCDs, DVD players, portable music players. Whether from breakdown, slow-down, or just the availability of a newer model, people discard electronics at the slightest inconvenience. It's not just laziness or a lust for the future, either; the economics of gadgets encourages disposal. In some cases, for example, buying a new printer is cheaper than buying a set of new ink cartridges.

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## The future of e-Waste:

- ▶ E-waste is still the fastest growing municipal waste stream in America, according to the EPA
- ▶ **The improper disposal of electronic products leads to the possibility of damaging the environment. As more e-Waste is placed in landfills, exposure to environmental toxins is likely to increase, resulting in elevated risks of cancer and developmental and neurological disorders.**



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- ▶ The Global E-Waste Monitor 2020 reported a record 2.7 million tons of e-waste (discarded products with a battery or plug), the amount of e-waste we create globally surged 21% in five years and predicts that figure will rise to 81 tons by 2030.

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## Growth of Technology

- ▶ Technology is becoming more and more integrated into every aspect of our lives. Semiconductors and sensors are being added to products that never before had them, creating wearable monitors, smart homes, TVs that can stream programming from the internet, and much more.

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- ▶ The life span of devices is getting shorter—many products will be thrown away once their batteries die, to be replaced with new devices.
- ▶ Companies intentionally plan the obsolescence of their goods by updating the design or software and discontinuing support for older models.
- ▶ This way, it is usually cheaper and easier to buy a new product than to repair an old one.



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## What do we do with piles and piles of discarded electronics?



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## Responsible Recycling

- ▶ By choosing a certified electronic recycler you can be assured toxic materials never reach landfills, incinerators or dumped overseas. Recycling electronic waste can also recover valuable resources that can be reused which conserves natural resources by reducing production. The electronic and computer equipment we collect will be taken apart and separated into materials such as glass, plastic, metal, and toxic materials. Magnolia Data Solutions currently has the ability to recycle 100% of all of the electronic materials that come through our facility.

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## Magnolia Data Solutions

*Part of the Solution Not the Problem*



- ▶ Magnolia Data Solutions, LLC is Mississippi's first Certified Electronic Recycler and adheres to the R2 guidelines. We are a National Electronic Recycling & Information Destruction Company. We handle electronic recycling, data destruction, excess inventory re-marketing, and waste identification needs for individuals and organizations of all sizes. MDS is positioned to meet the growing needs of a variety of companies, organizations, and government agencies to combat the negative impact electronic waste ( e-waste ) is having on our environment.
- ▶ We proudly serve Mississippi, Louisiana, New Orleans and Alabama. We handle Electronics Recycling and Data Destruction needs

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Certified



Responsible™  
Recycling




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## True or False



Only 32.5% of e-waste is currently recycled.

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FALSE

Only 12.5% of e-waste is currently recycled.



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## TRUE OR FALSE

For every 1 million cell phones that are recycled, 35,274lbs of copper, 772lbs of silver, 75lbs of gold, and 33lbs of palladium can be recovered.

# TRUE!

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## Any questions?

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