

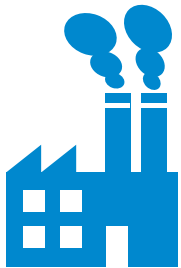
Print the following cards single-sided and then cut them out for students to use during Session 1.



### Sourcing Materials



### Consumption



### Manufacturing



### Packaging & Distribution



### End of Life

# The Tech for Global Good Circular Economy

## Product Life Cycle Cards | Resources Cards

Print the following cards single-sided and then cut them out for students to use during Session 1.



### Mined raw materials

including copper, gold, lead, silicon, nickel, zinc, iron, aluminum, barium, beryllium, tantalum, coltan, and other metals.



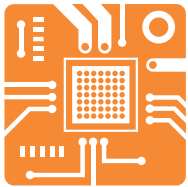
### Plastic packaging



### Crude oil, chemicals, and natural gas used to make plastic



### Print advertising



### Circuit board



### Media and online advertising



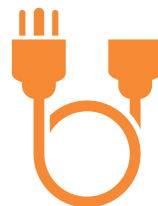
### Energy



### Landfill



### Fossil fuels



### Accessories (cables, cases, etc.)

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## Product Life Cycle Cards | Resources Cards

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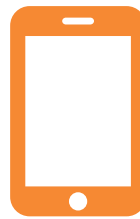
**Human labor**



**Aluminum packaging**



**Sand and limestone used to make glass**



**Display screen**



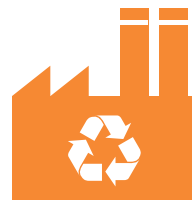
**Battery**



**Incinerator**



**Plane, truck, or rail**



**Recycling center**



**Paper packaging**

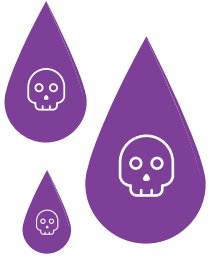


**E-waste dismantling centers**

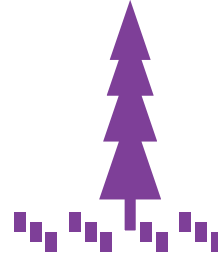
# The Tech for Global Good Circular Economy

## Product Life Cycle Cards | Impact Cards

Print the following cards single-sided and then cut them out for students to use during Session 1.



**Water pollution**



**Deforestation**



**Hazardous effects  
on human health**



**Communication**



**Documentation**



**Inspiration**



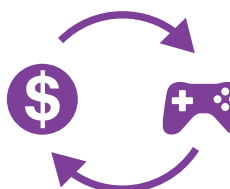
**Poor labor  
conditions**



**Air pollution**



**Ground pollution**



**Commerce and  
economic impact**