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| **E-Waste Component** | **Process Used** | **Potential Environmental Hazard** |
| Cathode ray tubes (used in TVs, computer monitors, ATM, video cameras, and more) | Breaking and removal of yoke, then dumping | Lead, barium and other heavy metals leaching into the ground water and release of toxic phosphor |
| Printed circuit board (image behind table - a thin plate on which chips and other electronic components are placed) | De-soldering and removal of computer chips; open burning and acid baths to remove final metals after chips are removed. | Air emissions as well as discharge into rivers of glass dust, tin, lead, brominated dioxin, beryllium cadmium, and mercury |
| Chips and other gold plated components | Chemical stripping using nitric and hydrochloric acid and burning of chips | Hydrocarbons, heavy metals, brominated substances discharged directly into rivers acidifying fish and flora. Tin and lead contamination of surface and groundwater |
| Plastics from printers, keyboards, monitors, etc. | Shredding and low temp melting to be reused | Emissions of brominated dioxins, heavy metals and hydrocarbons |
| Computer wires | Open burning and stripping to remove copper | Hydrocarbon ashes released into air, water and soil. |