**Brownfields Identification Activity KEY**

For each photo card that you have received, list the hypothetical contaminants. Use the Guide to Brownfield Contaminants to determine the probable prior use.

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| Card Number | **List the contaminants found.** | **What might have been on the land?** | **Is this a brownfield?** |
| 1 | Gasoline, Diesel Fuel, Metals, Petroleum Hydrocarbons, Underground Storage Tanks, Waste Oil, Solvents, Paint | Gas Station and  Automotive Repair | Yes |
| 2 | Heavy Metals, Dusts, Acids | Cosmetic Manufacturing | Yes |
| 3 | Toluene, Benzene | Leather Manufacturing | Yes |
| 4 | Gasoline, Diesel Fuel, Metals,  Petroleum Hydrocarbons,  Underground Storage Tanks | Gas Station | Yes |
| 5 | Nickel, Lead, Cadmium, Acids, Copper,  Zinc, Arsenic, Chromium | Battery Recycling and Disposal | Yes |
| 6 | Cadmium, Chromium, Cyanide,  Copper, Nickel | Electroplating | Yes |
| 7 | Hairbrush,  Household Products | House  (Residence) | No |
| 8 | Metals, Metal Dust, Solvents, Paint, Waste Oil, Scrap Metal, Gasoline, Diesel Fuel, Underground Storage Tanks,  Petroleum Hydrocarbons | Automotive Repair  Gas Station | Yes |
| 9 | Metals, Inorganics, Acids, Toxic Compounds, Semi-Volatile Organics Including Those in Oil and Grease, Volatile Organic Compounds | Steel Mill | Yes |
| 10 | Solvents, Paints, Cyanide, Acids,  Heavy Metals | Marine Maintenance | Yes |

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| Card Number | **List the contaminants found.** | **What might have been on the land?** | **Is this a brownfield?** |
| 11 | Metals, Dioxin, Degreasing Agents, Waste Oils | Machine Shop  Metal Fabrication | Yes |
| 12 | Copper, Pesticides, Insecticides, Herbicides, Grain Fumigants, Arsenic | Agriculture  (Farm) | Yes |
| 13 | Metals, Metal Dust, Solvents, Paint, Waste Oil, Scrap Metal | Automotive Repair | Yes |
| 14 | Heavy Metals, Dusts, Acids | Cosmetics  Manufacturing | Yes |
| 15 | Sulfur Compounds, Cyanide, Aluminum, Lead, Iron, Nickel, Chromium | Coal Gasification | Yes |
| 16 | Creosote, PCP, Arsenic, Zinc, Chromium, Copper, PCBs, Beryllium, Dioxin, Wood Preservatives | Wood Preserving | Yes |
| 17 | Metals, Inorganics, Acids, Toxic Compounds, Semi-Volatile Organics Including Those In Oil and Grease,  Volatile Organic Compounds | Steel Mill | Yes |
| 18 | Metals, Household Products, Ammonia, Methane, Pesticides | Landfill  (Garbage Dump) | Yes |
| 19 | Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, Fuels, Oil, Grease | Petroleum (Oil) | Yes |
| 20 | Metals, Inorganics, Acids, Toxic Compounds, Semi-Volatile Organics Including Those In Oil and Grease,  Volatile Organic Compounds | Steel Mill | Yes |

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| Card Number | **List the contaminants found.** | **What might have been on the land?** | **Is this a brownfield?** |
| 21 | Gasoline, Diesel Fuel, Metals, Petroleum Hydrocarbons,  Underground Storage Tanks | Gas Station | Yes |
| 22 | Metals, Inorganics, Acids, Toxic Compounds, Semi-Volatile Organics Including Those In Oil and Grease,  Volatile Organic Compounds | Steel Mill | Yes |
| 23 | Organic Solvents, Inorganic Solvents, Metals and Metal Dust, Paint, Heavy Metals, Pesticides, Photographic Waste, Waste Oil | Research Institution | Yes |
| 24 | Metals, Inorganics, Acids, Toxic Compounds, Semi-Volatile Organics Including Those In Oil and Grease,  Volatile Organic Compounds | Steel Mill | Yes |
| 25 | Metals, Metal Dust, Solvents, Paint, Waste Oil, Scrap Metal, Gasoline, Diesel Fuel, Petroleum Hydrocarbons,  Underground Storage Tanks | Automotive Repair | Yes |
| 26 | Broken Glass, Shampoo, Furniture | House  (Residence) | No |
| 27 | Metals, Inorganics, Acids, Toxic Compounds, Semi-Volatile Organics Including Those In Oil and Grease,  Volatile Organic Compounds | Steel Mill | Yes |
| 28 | Gasoline, Diesel Fuel, Metals, Petroleum Hydrocarbons,  Underground Storage Tanks | Gas Station | Yes |
| 29 | Slag, Heavy Metals | Slag Dump from a  Steel Mill | Yes |
| 30 | Solvents, Paints, Cyanide, Acids,  Heavy Metals | Marine Maintenance  (Boat Repair) | Yes |

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| Card Number | **List the contaminants found.** | **What might have been on the land?** | **Is this a brownfield?** |
| 31 | Petroleum Hydrocarbons, Benzene, Toluene, Ethylbenzene, Xylene, Solvents, Fuels, Lead, Oil and Grease, PCBs | Railroad Yard | Yes |
| 32 | Toluene, Benzene | Leather Manufacturing | Yes |
| 33 | Copper, Pesticides, Insecticides, Herbicides, Grain Fumigants,  Arsenic | Agriculture  (Farm) | Yes |
| 34 | Arsenic, Lead | Glass Manufacturing | Yes |
| 35 | Metals, Dioxin, Degreasing Agents, Waste Oils | Machine Shop  Metal Fabrication | Yes |
| 36 | Metals, Household Products, Ammonia, Methane, Pesticides | Landfill  (Garbage Dump) | Yes |
| 37 | Heavy Metals, Dusts, Acids | Cosmetics Manufacturing | Yes |
| 38 | Metals, Metal Dust, Solvents, Paint, Waste Oil, Scrap Metal | Automotive Repair | Yes |
| 39 | Arsenic, Lead | Glass Manufacturing | Yes |
| 40 | Gasoline, Diesel Fuel, Metals, Petroleum Hydrocarbons,  Underground Storage Tanks | Gas Station | Yes |

Reviewer’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rubric Score: 5,4,3,2,1