Topic/Objectives: 19-2 Hazardous Waste; (1) Define hazardous waste, (2) describe the sources of hazardous waste, (3) describe the current methods for hazardous waste disposal, (4) describe the danger of radioactive waste.	**Name:** **Date:** **Period:**

Essential Question: How can we best reduce the impact of hazardous waste?

Questions:	**Notes:**
	WHAT IS HAZARDOUS WASTE? _____ – substances that can easily catch fire (ex. natural gas, oils, alcohol, etc.) _____ – substances that can eat through or dissolve metal storage tanks and equipment (ex. sulfuric acid, hydrochloric acid, etc.) _____ – substances that are chemically unstable with other compounds (ex. Fireworks, lithium-sulfur batteries, chlorine bleach, etc.) _____ – substances that are harmful or fatal when inhaled, ingested, or absorbed through skin.
	SOURCES OF HAZARDOUS WASTE Many household items are considered hazardous by _____ definition. ◦ Ex.: paint, cleaning supplies, nail polish, pesticides, wood preservatives, rubber tires. _____ _____ used in industry for wiring, electronics, metal plating, metal fabrication, pigments and dyes. _____ -_____ includes computers, printers, VCRs, fax machines, cell phones, MP3 players, etc.
	DISPOSAL OF HAZARDOUS WASTE There are three main ways to dispose of hazardous waste: _____, surface impoundment, and injection wells. _____ _____ are shallow pits lined with plastic and impermeable material. _____ _____ are drilled deep beneath the water table into porous rock where wastes may be injected into it.

RADIOACTIVE WASTE

Radioactive waste give off _____ and is harmful to humans and the environment.

High-level wastes include wastes from _____ power plants.

Low-level wastes are produced by uranium mines, hospitals, laboratories, etc.

Radioactive waste have long _____ -_____ and must be sealed in containers that will not corrode, deep underground.

HAZARDOUS WASTE REGULATION

Currently U.S. law makes disposing _____ leading to illegal dumping or shipping to developing nations.

(RCRA) Resource Conservation and Recovery Act of _____.

(CERCLA) Comprehensive Environmental Response Compensation and Liability Act of _____.

Summary: