CHEMICAL IDENTIFICATION AND COMPARISON
- identification of unknown solids and liquids
- identification of dangerous or toxic materials in food products

DYE-PACK DYE
- identification of dye-pack dye from bank security devices on items such as currency, clothing, swabs

EXPLOSIVES
- analysis of all types of explosives and post-blast debris including device components

FIBRES
- identification and comparison of fibres from clothing, carpeting, rope, vehicles and other objects

FIRE EVIDENCE
- analysis of fire debris and other items for the presence of ignitable liquids such as petroleum products, alcohols, solvents, oils

GLASS
- comparison of recovered glass with broken glass from a scene
- glass type determination
- fracture analysis and direction of impact

GUNSHOT RESIDUE
- examination of hand kits, clothing and vehicles for gun shot residue particles

HAIR
- analysis of human and animal hair
- assessment as to suitability for DNA testing

LACHRYMATORS
- identification of pepper spray, tear gas, mace in dispensers and on items such as clothing, towels, swabs

METALS
- identification and comparison of all types of metals including alloys, steels, precious metals

PAINT
- comparison of recovered paint chips and smears with paint from a known origin
- vehicle make/model/year determination in hit-and-run investigations

PHYSICAL MATCH
- examination of broken, cut or torn materials to determine if they were once part of the same object

PLASTICS AND POLYMERS
- identification and comparison of all types of plastics e.g., car parts, foams, glues

SEXUAL LUBRICANTS
- analysis of condom and personal lubricants on swabs and clothing

TAPE
- examination of tapes including duct tape, electrical tape and tape adhesives
- physical matching of tape ends

TEXTILE DAMAGE ASSESSMENT
- determination of type of damage and possible implement used

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