

Contaminants in Water #2

Cut out the following and put them under the headings:

**POLLUTION
TYPE**

EXAMPLES

SOURCES

**HARMFUL
EFFECTS**

Indigenous Knowledge and Science
Water Unit – Grade 8 Science – Contaminants in Water Activity

Salt	<ul style="list-style-type: none"> - Kills crops or reduces yields - Contaminates freshwater supplies, making them undrinkable 	<ul style="list-style-type: none"> - Sulfuric acid - Nitric acid 	<ul style="list-style-type: none"> - None
<ul style="list-style-type: none"> - Naturally occurring salt - Road salt 	<ul style="list-style-type: none"> - Mild immune suppression - Acute poisoning - Reproductive Failure 	<ul style="list-style-type: none"> - Harms aquatic organisms - Moves heavy metals from soils into water bodies - Damages trees 	<ul style="list-style-type: none"> - PCBs - Pesticides
<ul style="list-style-type: none"> - Accumulates in the tissues of fish and shellfish - Toxic to animals and humans who eat them 	Minerals	<ul style="list-style-type: none"> - Domestic sewage - Cattle and other livestock - Natural sources 	<ul style="list-style-type: none"> - Stimulate growth of algae, which then decomposes, using up oxygen and harming aquatic life

<ul style="list-style-type: none"> - Salmonella - E. coli - Giardia 	<ul style="list-style-type: none"> - Carbonate 	<ul style="list-style-type: none"> - Spread infectious diseases through contaminated drinking water 	<ul style="list-style-type: none"> - Rock and soil - Chemicals applied to farm fields
<ul style="list-style-type: none"> - Soil that contains salt - Stored road salt - Salt applied to roads 	<ul style="list-style-type: none"> Nutrients 	<ul style="list-style-type: none"> Organic matter 	<ul style="list-style-type: none"> - Uses up oxygen from the water as it decomposes, suffocating aquatic life

Micro - organisms	<ul style="list-style-type: none"> - Industrial sites - Automobiles - Farms and gardens - Municipal wastewater - Chemical spills 	Acid	<ul style="list-style-type: none"> - Runoff from agricultural lands and urban areas - Industrial discharge
<ul style="list-style-type: none"> - Industrial waste water - Farm sewage 	- Waste from cattle	Toxic chemicals	Heavy metals

- Fertilizers	<ul style="list-style-type: none"> - Industries - Mines - Landfill sites 	<ul style="list-style-type: none"> - Acid rain from electric power generation, industrial stack, and auto/ truck emissions - chemicals from mining 	<ul style="list-style-type: none"> - Lead - Cadmium - Zinc - Mercury
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