
























































<h3 style="text-align: center;">Volatile Organic Compounds (VOCs)</h3> <div style="display: flex; justify-content: space-around; align-items: center;">   <div style="text-align: center;"> <p>Dz He Ir Na Si Ti</p> </div>  </div> <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p>STOP</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<ul style="list-style-type: none"> ■ Colorless, flammable gases emitted from solids or liquids that evaporate easily at room temperature ■ Common VOCs: toluene, xylene, formaldehyde, acetone, isopropanol ■ VOC concentrations may be up to ten times higher indoors than outdoors ■ Used as an adhesive or solvent in paint, art supplies, cleaning products and personal care products ■ Select low-emitting, non-toxic products and materials wherever possible when furnishing, renovating or constructing a school building 	<h3 style="text-align: center;">Cockroaches</h3> <div style="display: flex; justify-content: space-around; align-items: center;">   <div style="text-align: center;"> <p>Al As Ir Rn Si Sn</p> </div>  </div> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; align-items: center;">  </div>	<ul style="list-style-type: none"> ■ Cockroaches can live almost anywhere, but prefer warm, moist places with food ■ Found in crowded cities and southern states in the U.S. and in dirty homes and kitchens ■ Body parts and feces are known asthma triggers and cockroach feces and saliva can cause allergic reactions ■ Establish a Food in the School policy, keeping food and drink out of classrooms and hallways; empty trash daily ■ Sanitation is important! Keep all food in sealed containers, clean up crumbs and spills
<h3 style="text-align: center;">Mold (spores)</h3> <div style="display: flex; justify-content: space-around; align-items: center;">   <div style="text-align: center;"> <p>Al As He Ir Rn Si Sn Wh</p> </div>  </div> <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p>STOP</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<ul style="list-style-type: none"> ■ A type of fungi that can be found almost anywhere; molds multiply by producing microscopic spores ■ Spores are found in indoor air or dust, with higher concentrations in outdoor air ■ Grow rapidly in warm, moist areas on food sources: wood, drywall, carpet, paper, ceiling tiles - gives off musty odor ■ Asthma trigger and allergen ■ Discourage mold growth: Increase ventilation and reduce humidity, fix water leaks, control condensation and replace water-damaged materials 	<h3 style="text-align: center;">Dust Mites</h3> <div style="display: flex; justify-content: space-around; align-items: center;">   <div style="text-align: center;"> <p>Al As Co Ir Rn Sb Sn Wh</p> </div>  </div> <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p>STOP</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<ul style="list-style-type: none"> ■ Microscopic insects that feed on human and animal dander (skin flakes) ■ Like warm (75-80 °F), moist (>60% humidity) conditions ■ Most common allergen for asthmatics ■ Feed on dander found in dust, pillows, carpets, upholstered furniture and fabrics ■ Maintain a clean, dry classroom! ■ Dust shelves using a damp cloth and vacuum thoroughly with a HEPA filter ■ Reduce clutter in classroom, remove upholstered furniture and hanging "dust collectors"
<h3 style="text-align: center;">Animal Dander</h3> <div style="display: flex; justify-content: space-around; align-items: center;">   <div style="text-align: center;"> <p>Al As Ir Rn Si Sn</p> </div>  </div> <div style="display: flex; justify-content: space-around; align-items: center;">  </div>	<ul style="list-style-type: none"> ■ Dander is tiny scales of animal skin that float in the air and can be inhaled ■ From animals with fur or feathers such as dogs, cats, hamsters, guinea pigs and birds ■ Proteins in the dander, urine and saliva can aggravate asthma and allergies in sensitive people ■ Establish a school policy restricting pets from classrooms or allowing pets as visitors only 	<h3 style="text-align: center;">Lead (Pb)</h3> <div style="display: flex; justify-content: space-around; align-items: center;">   <div style="text-align: center;"> <p>Cn Dc He</p> </div>  </div> <div style="display: flex; justify-content: space-around; align-items: center;">  </div> <div style="display: flex; justify-content: space-around; align-items: center;">  </div>	<ul style="list-style-type: none"> ■ Naturally occurring, highly toxic metal ■ Found in lead-based paint, lead dust and contaminated soil ■ Banned for use in paint in 1978 and as a gas additive in 1980s ■ Main source is lead-based paint (on walls and furniture) which becomes airborne when paint is disturbed ■ Effects nervous system, causing learning disabilities ■ Leave lead-based paint undisturbed if it is in good condition; do not sand or burn off paint that may contain lead ■ Hire a professional to remove paint

<p>Carbon Monoxide (CO)</p>   <p>Dz He Na Ti Vo</p> 	<ul style="list-style-type: none"> ■ A colorless, odorless, and tasteless gas used in appliances, furnaces, water heaters and boilers ■ Produced by incomplete burning of fuels ■ Sources in schools are improperly vented furnaces or exhaust fumes (from vehicles or furnaces) that have been drawn back into the building ■ Properly inspect, maintain and vent heating systems and appliances annually ■ Install carbon monoxide detectors in areas with burning fuels (natural gas) ■ Do not idle vehicles around school 	<p>Pollen</p>   <p>Al As Ir Rn Sn Wh</p> 	<ul style="list-style-type: none"> ■ Microscopic reproductive plant particles that come from trees, flowers and grasses ■ Released from plants that produce seeds; enter buildings through open windows and doors ■ Resist the temptation to open windows during high pollen times of the year ■ Vacuum with HEPA filters ■ Properly install and maintain filters in ventilation system to trap pollen and prevent it from entering building
<p>Environmental Tobacco Smoke (ETS)</p>    <p>As Ca Co Wh</p>  	<ul style="list-style-type: none"> ■ Contains 4000 chemicals consisting of solid particles, liquid droplets, vapors and gases resulting from tobacco combustion ■ Many chemicals in ETS are toxic or are cancer causing and cause severe asthma attacks ■ Sources include smoke from a burning cigarette, pipe, or cigar or the smoke exhaled by a smoker ■ Implement and enforce nonsmoking policies, particularly indoors and near school entrances 	<p>Radon (Rn)</p>   <p>Ca</p> 	<ul style="list-style-type: none"> ■ Odorless, radioactive gas; decay product from uranium-238 ■ Naturally occurring radioactive gas found in soil, rock and water ■ Radon gas can seep into buildings through foundation cracks or openings and build up to higher concentrations indoors ■ Implement a radon testing program in school; test all rooms at ground level ■ Seal cracks in floors and walls ■ Install systems to remove radon from beneath concrete floor or basement slab
<p>Asbestos (As)</p>   <p>Ca Co Sb Wh</p> 	<ul style="list-style-type: none"> ■ Long, thin microscopic fibers (similar to fiberglass) from naturally occurring minerals; insoluble in water and resistant to fire and heat ■ Most asbestos-containing products banned in 1989 ■ Used in fire-proofing materials: shingles, insulation, ceiling and floor tiles, laboratory tabletops; also automotive brakes and clutches ■ Mandate asbestos management plan in school ■ Do not disturb materials that contain asbestos 	<p>Diesel Exhaust</p>    <p>Al As Ca Ir</p>  	<ul style="list-style-type: none"> ■ Complex mixture of gases and particles ■ Contains carbon particles (soot), carbon monoxide, carbon dioxide, and ozone-forming nitric oxides and other toxic air pollutants ■ School buses and other diesel vehicles can produce concentrated exhaust emissions both outside and inside school buses and school buildings ■ Asthma trigger and allergen ■ Do not allow buses or other vehicles to idle on school grounds ■ Replace the oldest buses and reduce emissions from newer buses