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retire bad actor chemicals!

For more information on each bad actor visit www.toxies.com



The Toxies by Physicians for Social Responsibility-Los Angeles and Californians for a Healthy and Green Economy is licensed under a



bad actor bingo: a trivia game

Time: About 45 minutes Ages: 12 and up

Players:

- Up to 20 individual players or teams
- Game Facilitator: Keeps the trivia questions and score card paper, reads the bad actor trivia questions off in random order and checks off each question that has been read and answered.

In your game kit you will find:

- A score card with 45 Bad Actor Trivia questions
- 20 game boards with a 4 x 4 grid of bad actor chemicals that correspond to the **Bad Actor Cards**
- 240 place markers

Directions:

- Every player takes a game board and 12 place markers.
- The Game Facilitator keeps the score card and reads the first trivia question.
- Trivia questions should be read in random order.
- The player that shouts "Toxies" and raises his or her hand first gets an opportunity to answer the question.
- If the player answers the question correctly, the player gets to put a marker down on that bad actor square on his or her game board. Only players that answer the question correctly may put a marker down on that bad actor square.
- If the player provides an incorrect answer, the player that shouted "Toxies" second, gets an opportunity to answer the question.
- Whoever makes a horizontal, vertical, or diagonal line across their game board first wins. The yellow square is a free spot!

perch	nlorate	mel
	This bad actor chemical affects the thyroid, can be found in fireworks, and makes its way into people through contaminated ground water.	[
	Over 700,000 pounds of this bad actor chemical is used in every space shuttle launch.	ı I
	Barstow, California's water supply was cut off for four days in 2010 because of this bad actor chemical contaminating the town's ground water.	mei
dioxi	in Control of the Con	•
_	This bad actor chemical was the main ingredient in Agent Orange, which was sprayed in Southeast Asia during the Vietnam War.]]
	Germany and the slaughter of at least 8,000 egg-laying chickens.	pht l
	This was one of the main chemicals found at Love Canal in Niagara Falls, NY where hundreds of families were evacuated 1978-1980 due to widespread contamination.	,
riclo	·	ı
	Which bad actor chemical is added as an antibacterial/antifungal agent in many soaps and toothpaste? Which chemical has been banned in Canada because of its association with allergies, cancer and reproductive harm, but is still added to many personal care products in the U.S.?	I
	Doctors are worried this bad actor chemical is helping breed a new generation of antibiotic resistant superbacteria.	tolu
halo	genated flame retardant	[
	materials.	[
	and has been linked to toxicity to the brain, thyroid, endocrine and reproductive systems.	per
	Chlorinated tris, PBDEs, TCEP, and Firemaster 500 are all names for this bad actor.	٠ [
bpa		
	This plastic additive is also a synthetic sex hormone, which has links to diabetes, obesity, predispositions to breast and prostate cancer, and heart disease.	
	This chemical can be found in baby bottles, food can linings and receipts. By eating fresh foods, you can reduce the levels of this bad actor chemical in your body by as much as 60%.	hex
form	aldehyde	ı
	In 2010, hair-straightening product Brazilian Blowout was discovered to contain high concentrations of this bad actor.	[
	this bad actor chemical can be found in.	per
	Workplace exposure to this chemical is associated with spontaneous abortion, abnormal menstrual cycles, and nasal sinus cancer.	Ī
ead		[
	High exposure of this bad actor occurs through substandard housing and toxic-emitting facilities.	
	This bad actor has been discovered in many consumer products including children's bounce-houses, toys, jewelry and pottery.	n-m
	Exposure to this bad actor in the U.S. costs \$50.9 billion a year in healthcare costs for children.	[

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1116111	yı	10	ulu	Œ

eth	yl iodide
	This bad actor chemical is used as a fumigant in strawberry fields, and was recently applied for the first time in California.
	This bad actor is a pesticide and a chemical warfare agent, produced by Arysta LifeSicence.
	Before being used in agriculture, this bad actor was primarily used in a laboratory setting to induce cancer.
ercı	Jry
	In 2011, Vermont passed a bill creating a recycling program for this bad actor chemical which is found in compact fluorescent light bulbs.
	The Marvin Gaye song, "Mercy Mercy Me" mentions which Toxies winner this year?
	Minnesota was the first state to ban the use of this bad actor in mascara.
itha	ılates
	This bad actor was a 2010 Toxies winner, and is a member of the "toxic trio," used in plastics to increase flexibility, transparency, and durability.
	This 2010 Toxies winner was discontinued in some products like plastic rubber duckies, but is receiving widespread attention for its role in fragrances, lotions, shampoos, nail polish, and cleaning products.
	This 2010 Toxies winner was featured in a 2010 study conducted by Swedish and American scientists, which showed that children that live in homes with vinyl floors containing this chemical are more likely to
	have autism.
luei	ne
	This 2010 Toxies winner caused Fetal Solvent Syndrome more than 30 years ago.
	This bad actor was a 2010 Toxies winner and is a close chemical relative of benzene, known for decades to cause leukemia.
	During the first annual Toxies in 2010, this bad actor carried a bottle of a nail polish to indicate membership in the "Toxic Trio."

chloroethylene

This bad actor chemical accounts for the majority of all dry cleaning fluid in the United States.
This bad actor is primarily used in small mom and pop shops, and according to the US EPA, expose
workers can develop memory loss and other health conditions.

This bad actor chemical is estimated to have contaminated 1 in 10 public drinking wells in California.

cavalent chromium

This 2010 Toxies winner co-starred in the movie Erin Brockovich alongside Julia Roberts.
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 \square Hinkley, California was made famous by this chemical's presence in its groundwater, and received 2010 Toxies recognition.

☐ This 2010 Toxies winner is used in the production of stainless steel, textile dyes, wood preservation, leather tanning, and in anti-corrosion coatings. It made it to California's Prop 65 list in 2008.

fluorochemicals (PFC)

- ☐ When cooking in a non-stick Teflon pan, you may be mixing this 2010 Toxies winner into your dinner.
- ☐ This 2010 Toxies winner persists in your body for decades, is used widely as a water, stain and grease repellant for food wrap, carpet, furniture and clothing.
- ☐ This 2010 Toxies winner can be found in such popular products as Gore-Tex, Teflon, Stainmaster, and Scotchguard.

nethyl pyrrolidone (NMP)

The 2010 Toxies winner is an industrial solvent and makes frequent appearances in paint stripper and
graffiti remover.

- ☐ This 2010 Toxies winner "showed the most" last year, and causes developmental damage; lowered birth weights, delayed physical development, behavioral deficits.
- ☐ This acutely toxic skin irritant was a 2010 Toxies winner and is known to cause reproductive damage like testicular atrophy and has been used for decades as a catalyst in chemical mixtures.



































































































































































































































