

## Silica Jeopardy Answer Key

	SiO <sub>2</sub>	Hazard	Dusty Work	My Health	In Control
<b>\$200</b>	<i>Clue: This common mineral is found in rock, soil and sand</i>	<i>Clue: Crystalline silica is a hazard when it becomes this</i>	<i>Clue: Doing this to concrete may create hazardous silica dust</i>	<i>Clue: Silica seriously damages this body part</i>	<i>Clue: This pyramid helps define control strategies</i>
	Answer: What is silica	Answer: What is respirable dust	Answer: What is cutting, drilling, coring, grinding, pulverizing	Answer: What are your lungs	Answer: What is the Hierarchy of Controls
<b>\$400</b>	<i>Clue: This type of silica causes harm to workers</i>	<i>Clue: According to OSHA, workers should not be exposed to more than this concentration of silica</i>	<i>Clue: Using silica to do this job creates very high exposures to harmful dust</i>	<i>Clue: In 1997 crystalline silica was listed as this in humans</i>	<i>Clue: These are preferred because they eliminate the hazard</i>
	Answer: What is crystalline	Answer: What is the permissible exposure limit: 50 micrograms/cubic meter of air averaged over 8-hour day	Answer: What is abrasive blasting or sandblasting	Answer: What is a carcinogen (cancer causing)	Answer: What are engineering controls
<b>\$600</b>	<i>Clue: Most common form of crystalline silica</i>	<i>Clue: The metric symbol "µg" means this fraction of a measure of weight</i>	<i>Clue: A UofW study found this task &gt;80% likely to overexpose workers to hazardous silica dust</i>	<i>Clue: These 3 forms of this disease are most associated with silica dust exposures</i>	<i>Clue: These two methods are the primary ways to control silica dust</i>
	Answer: What is quartz	Answer: What is a microgram, one millionth of a gram	Answer: What is tuckpoint grinding	Answer: What are acute, accelerated and chronic silicosis	Answer: What are wet methods and local exhaust ventilation
<b>\$800</b>	<i>Clue: While more rare, these forms of crystalline silica are more toxic</i>	<i>Clue: This combination puts you at much greater risk for getting lung cancer</i>	<i>Clue: Four categories of responsibility on multi-employer worksites</i>	<i>Clue: Shortness of breath, wheezing, and decreased lung capacity are symptoms of this disease</i>	<i>Clue: This says employers must control exposure to silica, create a plan, train workers, and offer medical surveillance</i>
	Answer: What are Cristobalite and Tridymite	Answer: What is exposure to respirable crystalline silica and smoking	Answer: What are: Creating; Exposing; Controlling; Correcting	Answer: What is chronic silicosis	Answer: What is the 2016 federal OSHA Silica Standard for Construction