

Toxicology in Wonderland

There are several toxicologic references in the film *Alice in Wonderland*. Use the below cues to discuss possible themes and their relevance to toxicology. Feel free to add any additional references you find in addition to these!



1.
 - a. There are two potential toxicology references to the Mad Hatter. What are they?
 - i. Explain the historical reference and the toxin.
 - ii. This toxin exists in different forms. What are they, how would one be exposed to them? What are the symptoms and potential treatments?
 - iii.



2.
 - a. A reference to the 1871 poem, *The Walrus and the Carpenter*, the mother oyster contests that “oysters are eaten in months with an ‘R.’” What is this in reference to?
 - b. What are the 5 types of shellfish poisoning including toxin, symptoms, and treatments?



3.
 - a. The caterpillar is seen smoking from a hookah. What toxicologic condition is associated with hookah smoking?