Crystal Conversations

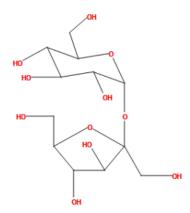
3rd December 2020







- There is an orange-red molecule named rudolphomycin true or false?
 True it's an antitumor antibiotic named after a character in the opera La Boheme, not the reindeer.
- 2. Where would you find this molecule in the holidays? →
 - a) In the turkey
 - b) In the wrapping paper
 - c) In the Christmas cake it's sucrose



- 3. Which element is used to make green fireworks?
 - a) Magnesium
 - b) Sodium
 - c) Barium
- 4. Myrhh has been used to relieve gingivitis and mouth ulcers, true or false? **True**
- 5. What reaction is responsible for the browning when you bake cookies for Santa?
 - a) The Hodge reaction
 - b) The Maillard reaction the reaction of amino acids and reducing sugars
 - c) The Caramel reaction
- 6. Reindeer and other arctic animals eat moss containing Arachidonic Acid why?
 - a) It's an anti-freeze you can read more: https://doi.org/10.1016/j.jare.2018.03.004
 - b) It's an antibiotic
 - c) It's a pro-vitamin D
- 7. What gives party poppers their pop?
 - a) Gunpowder
 - b) Silver fulminate
 - c) Nitrogen triiodide
- 8. Why do some people hate brussels sprouts?
 - a) Deformed basal cells in taste buds
 - b) Presence of the TAS2R38 gene leads to bitter response
 - c) No biological reason for dislike
- 9. How many water molecules are in the average snowflake?
 - a) 180 billion
 - b) 180 million
 - c) 180,000
- 10. The leaves of poinsettia plants contain a pH indicator compound true or false? **True**