

Chem 311 Homework 4

Compare and contrast these different sweeteners:

Table Sugar

PureVia

Equal or Sweet'N Low

NutraSweet

Splenda

Compare the shape of their molecules, how this shape tricks your taste buds, possible negative side effects and health warnings. (One page written by group. Cite your references.)

Next, try them for yourself in a taste test and answer the following questions:

(One page from each group member answering the three questions below. Attach these sheets to page one before you turn in assignment.)

1. Which comes closest to tasting like the real thing (Table Sugar)? (Rate 1-4: 1 = closest, 4 = least close)
2. Which one has the strongest aftertaste? (Rate 1-4: 1 = Strongest, 4 – weakest)
3. Considering what you found, would you use a sugar substitute? If yes, which one?