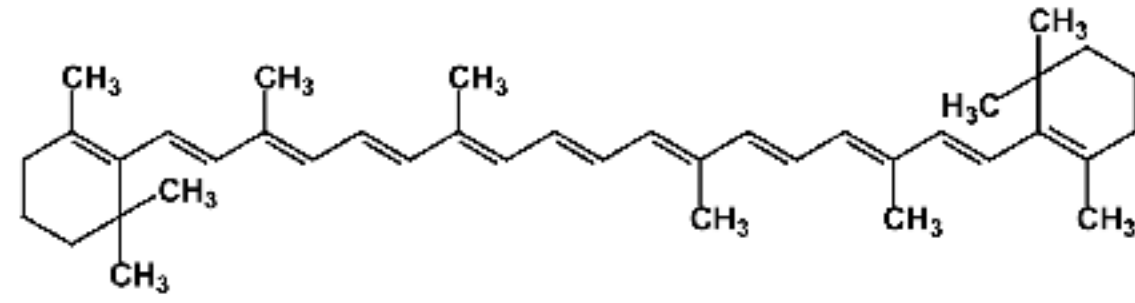


Group 1

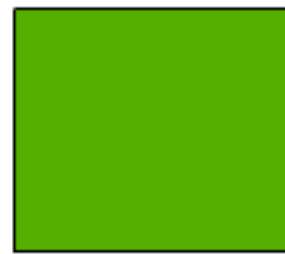
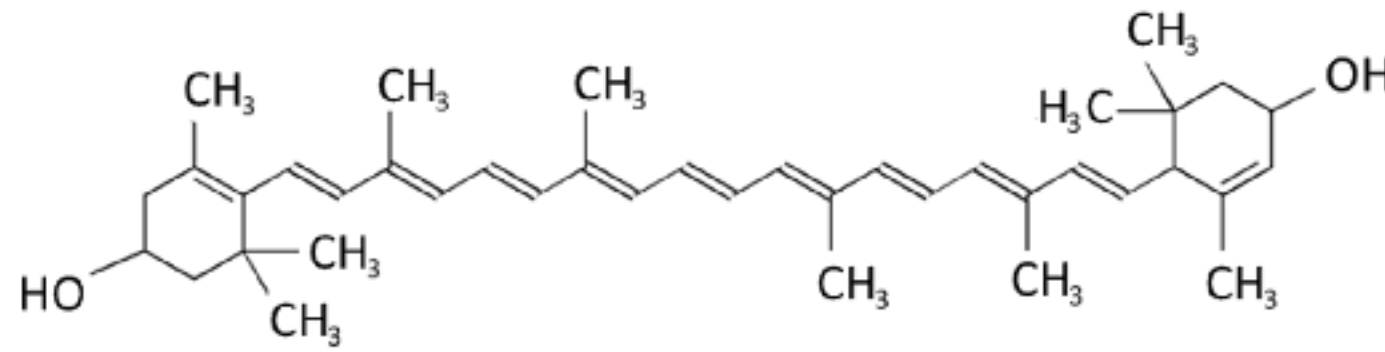
Rank the pigments according to polarity by placing them in order from least polar to most polar.



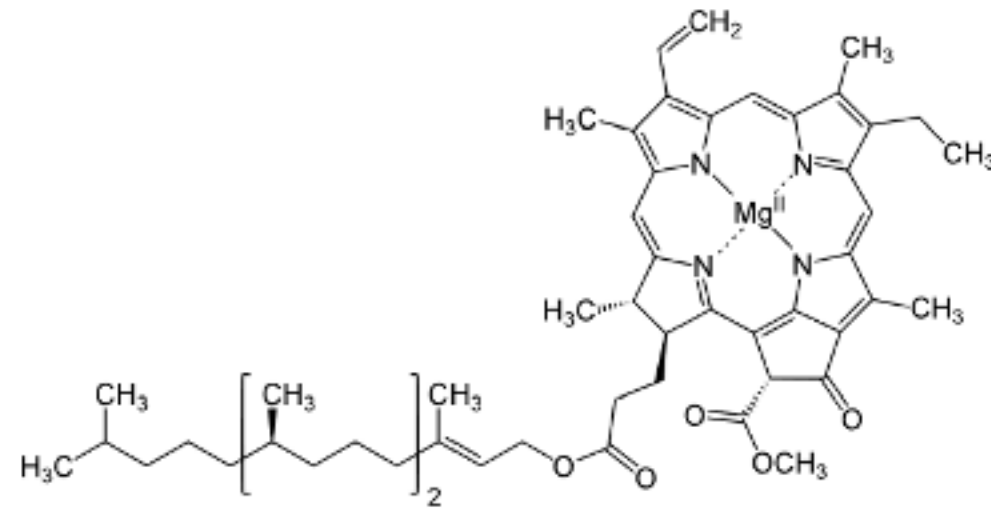
Carotene



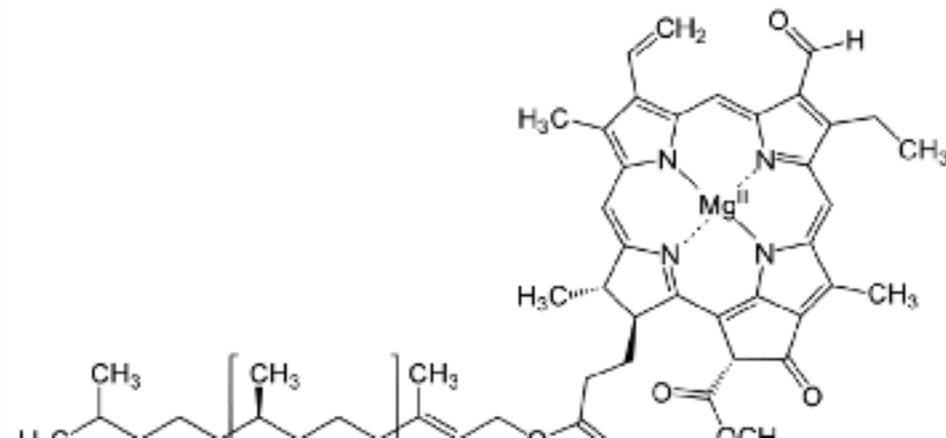
Xanthophyll



Chlorophyll a



Chlorophyll b



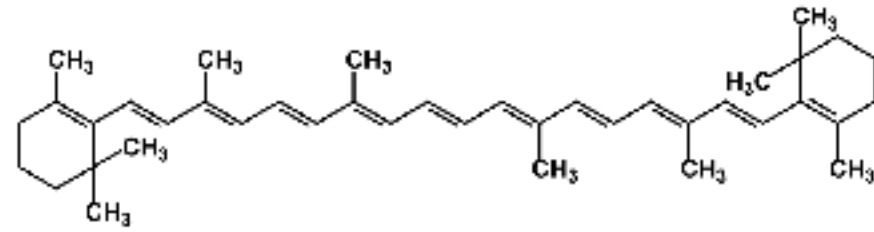
Is this what you saw on your chromatogram?

Group 2

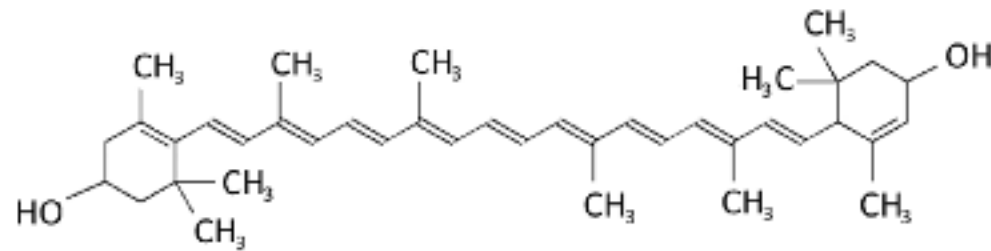
Rank the pigments according to polarity by placing them in order from least polar to most polar.



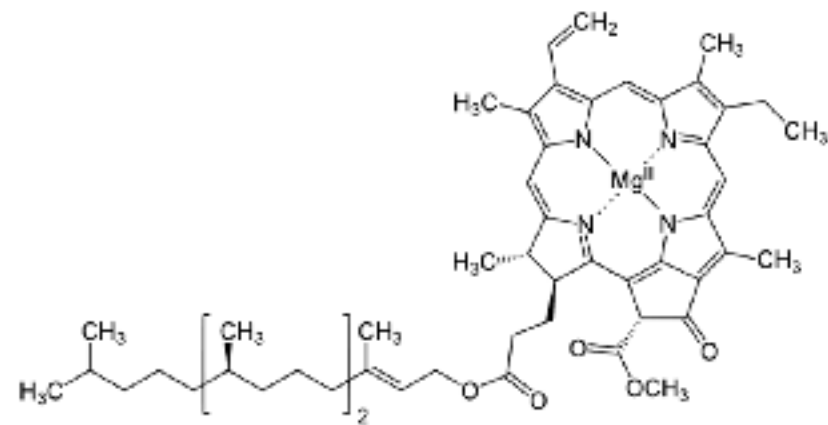
Carotene



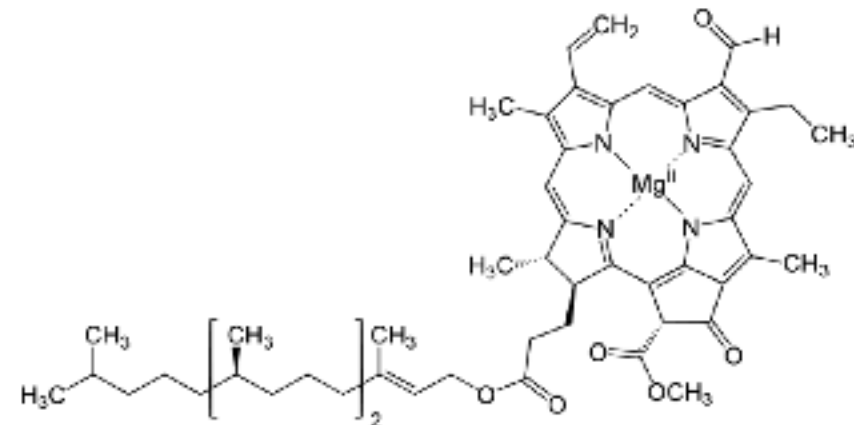
Xanthophyll



Chlorophyll a



Chlorophyll b



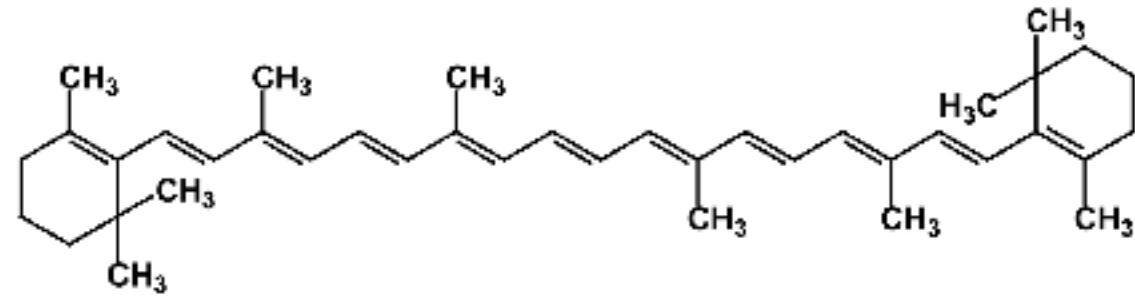
If the green is absorbed, then photosynthesis can occur

Group 3

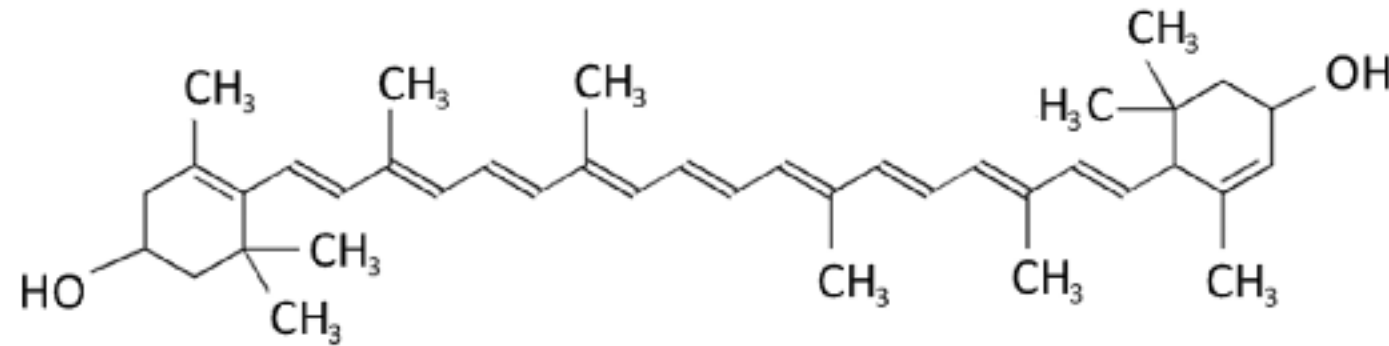
Rank the pigments according to polarity by placing them in order from least polar to most polar.



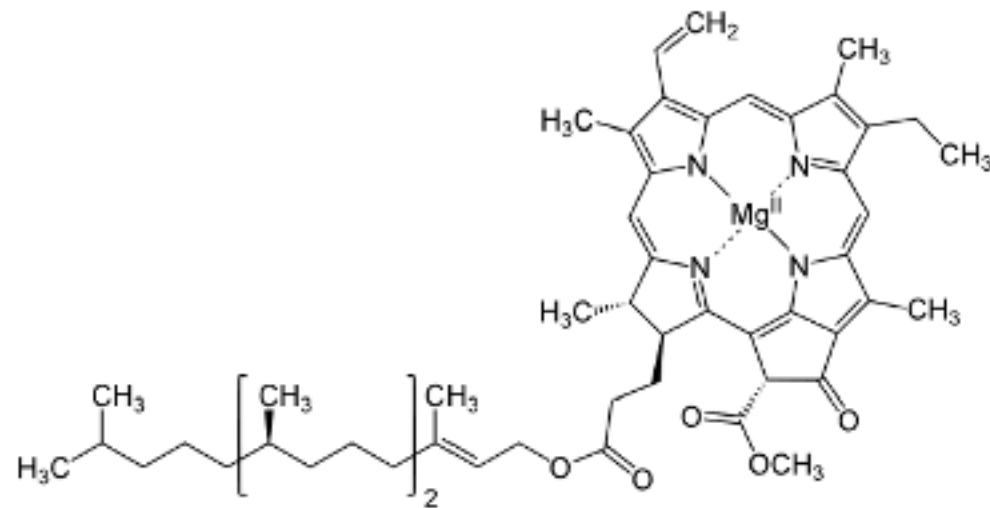
Carotene



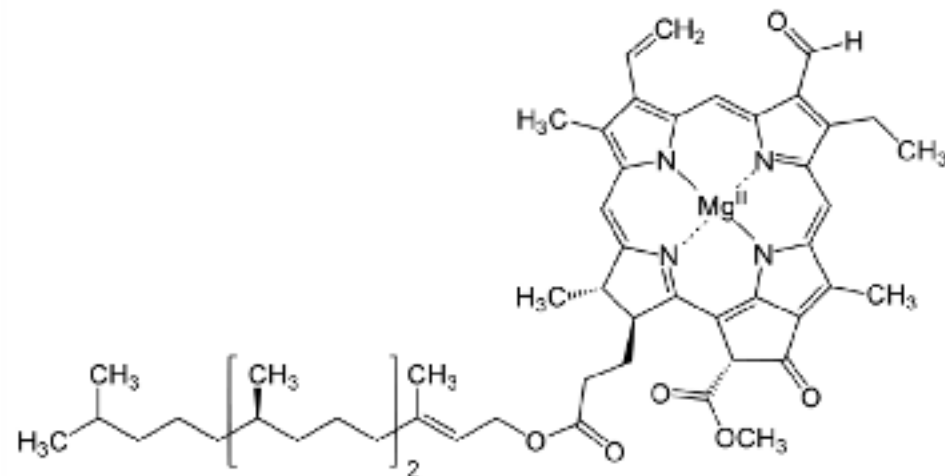
Xanthophyll



Chlorophyll a



Chlorophyll b



All pigments will absorb light for photosynthesis to occur.

Is this what you saw on your chromatogram?

**Group
4**

Rank the pigments according to polarity by placing them in order from least polar to most polar.



Carotene



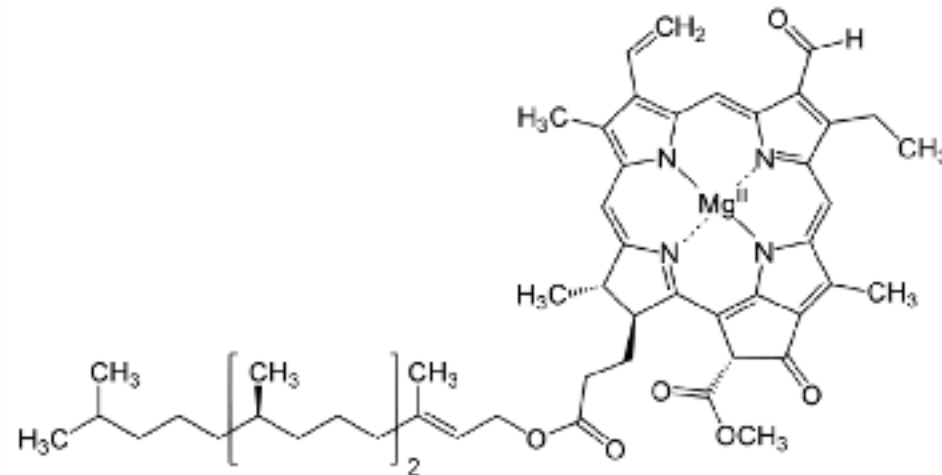
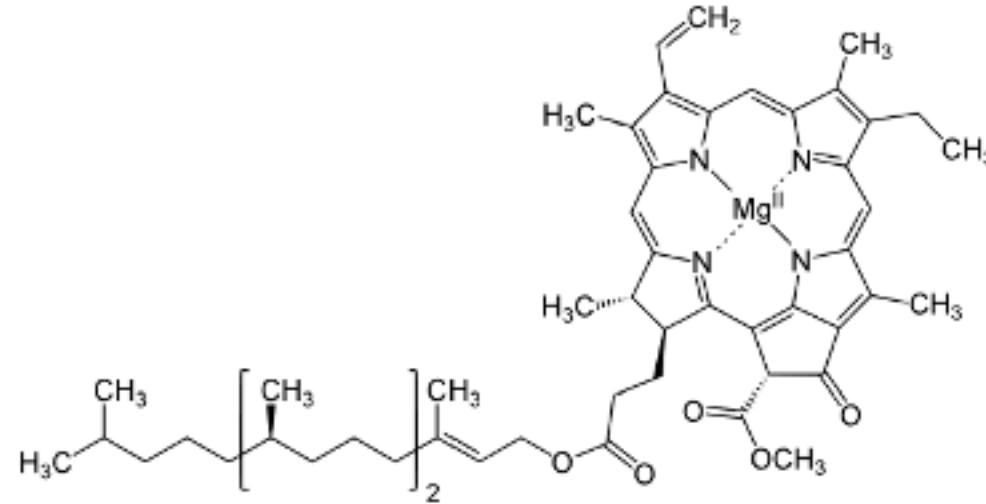
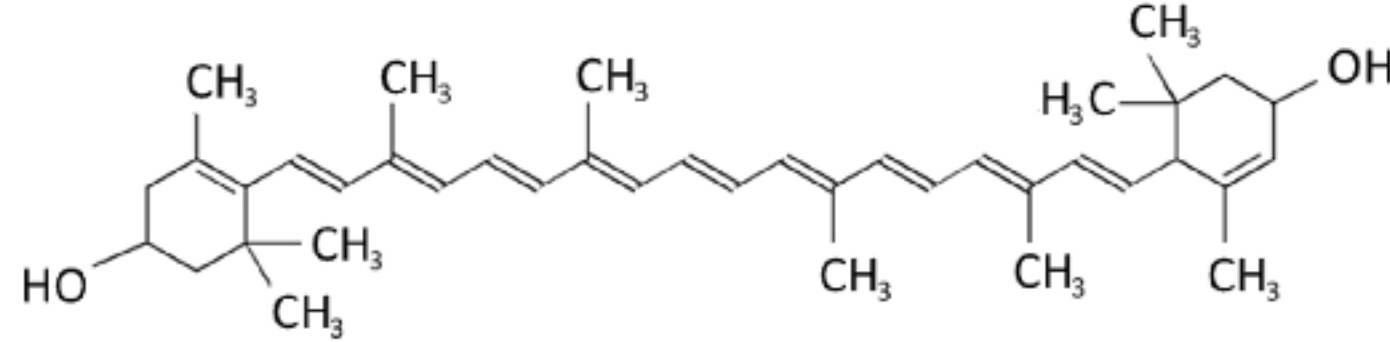
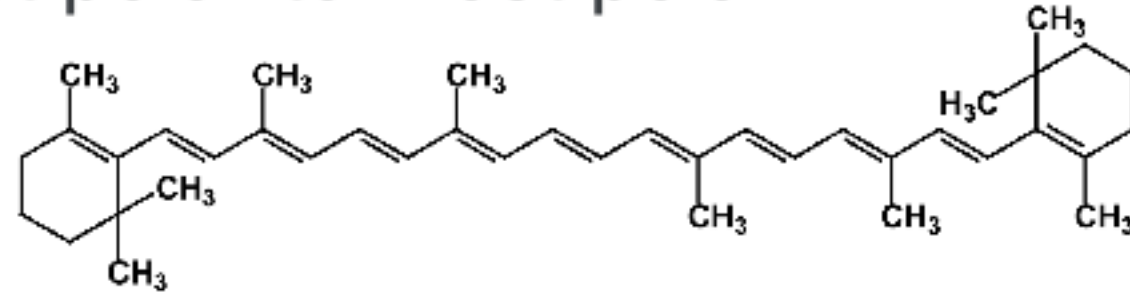
Xanthophyll



Chlorophyll a



Chlorophyll b



chlorophyll a and b absorb all colours but green,

Is this what you saw on your chromatogram?

