

Chromatography lab Quiz - Pigments

2 factors in sep. of pigments.

1. solubility of pigment in solvent
2. ability to form hydrogen bonds w/ paper

pigments located in reaction center:

chlorophyll a - blue-green

function of pigments outside
rxn center?

- capture light energy
+ transfer to rxn. center
- chlorophyll b - olive green
- xanthophyll - bright yellow
- beta carotene - orange-yellow

Hi R_f value

1. hi solubility in solvent
2. lo ability to form H-bond w/paper

Lo R_f value

1. lo solubility in solvent
2. hi ability to form H-bonds w/paper