WHAT'S IN THAT FRESH CUP OF COFFEE

THAT YOU HAD THIS MORNING?

WHAT'S GOING ON AT THE MOLECULAR LEVEL?

COFFEE CONTAINS:

CELLULOSE: INSOLUBLE, POLYMERIC PLANT MATERIAL

n = thousands

TANNINS: COMPLEX COMPOUNDS CONTAINING PHENOL GROUPS

<u>CAFFEINE</u>: < 5%

DARK PIGMENTS

MANY FLAVOR AND AROMA COMPOUNDS

LOTS OF OTHER COMPOUNDS