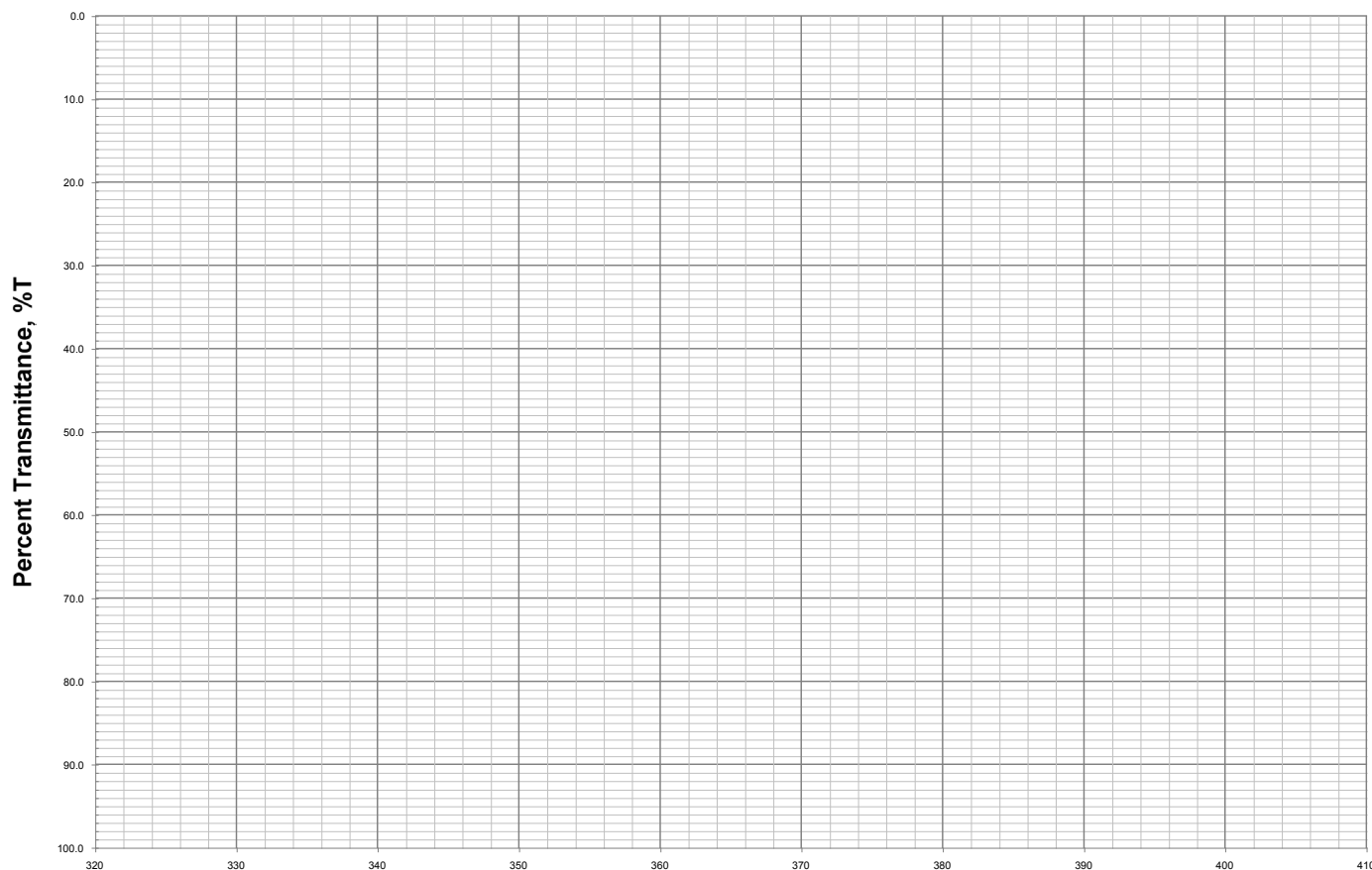


Sunscreens: Preparation and Evaluation Worksheet

Data Table

	Absorbance @								
Sample	400 nm	390 nm	380 nm	370 nm	360 nm	350 nm	340 nm	330 nm	320 nm
Formula __									
Formula __ (Assigned)									

Graph



Post-Lab Questions and Calculations

You will need class data to answer some of these questions.)

1. Was your laboratory prepared suntan lotion effective in blocking UV radiation? Explain.
2. How does the effectiveness of the sunscreen lotion change with the different concentrations of oxybenzone? Explain.
3. Using the class data, which suntan lotion formula was the most effective in blocking UV radiation? Explain.