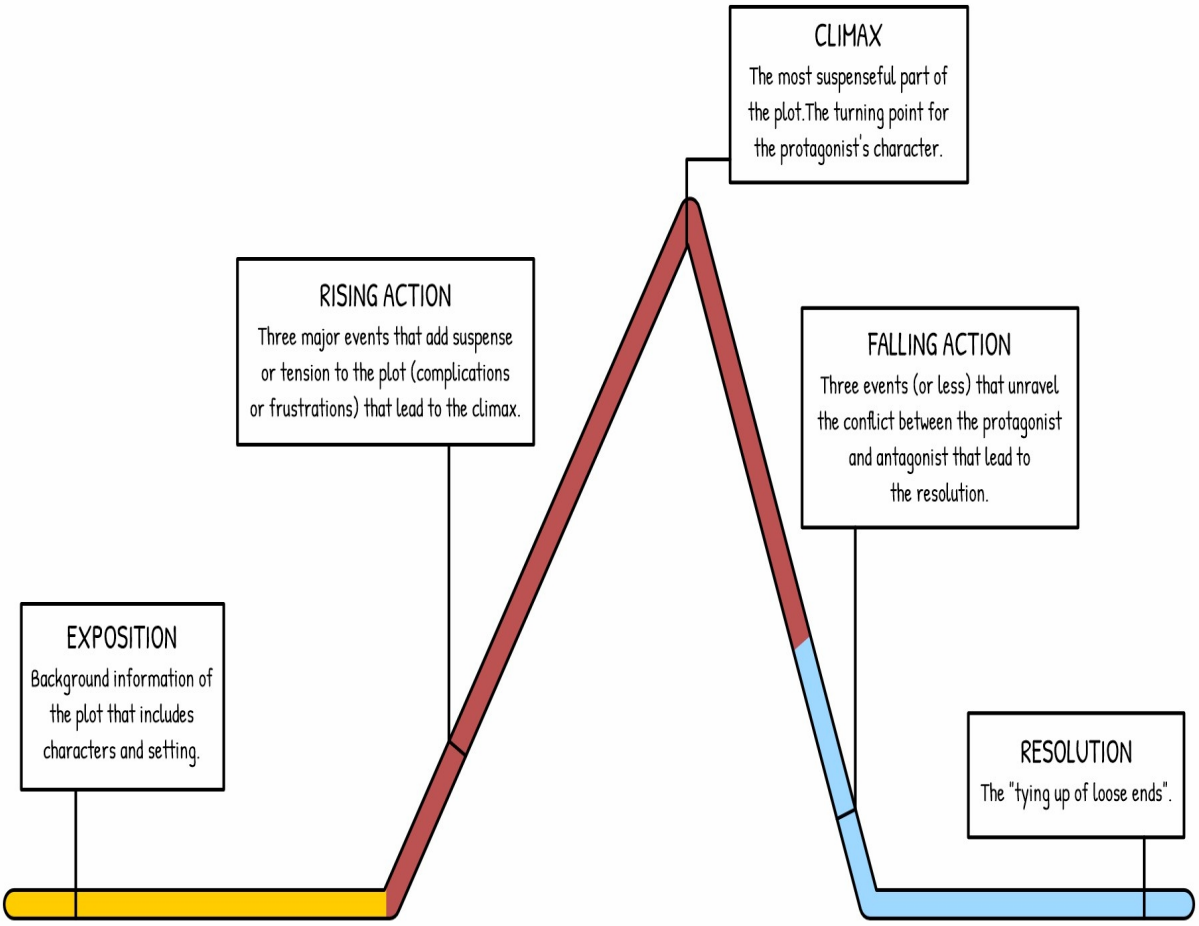PLOT DIAGRAM