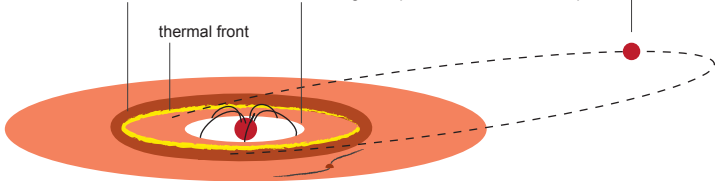


mass build up in  
dead zone

variation in  
stellar magnetosphere

stellar or sub-stellar  
companion

thermal front



radially migrating  
clump or planet