

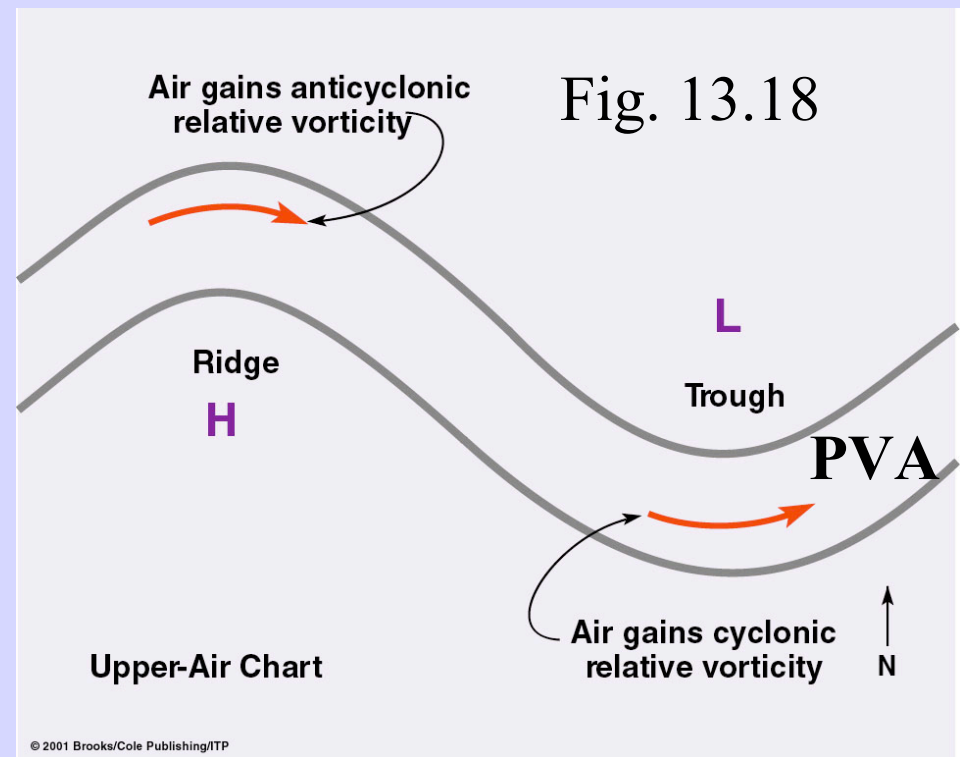
Vorticity Advection

Air that flows around a low and to a high moves from air of high vorticity (the low) to a region of low vorticity (a high).

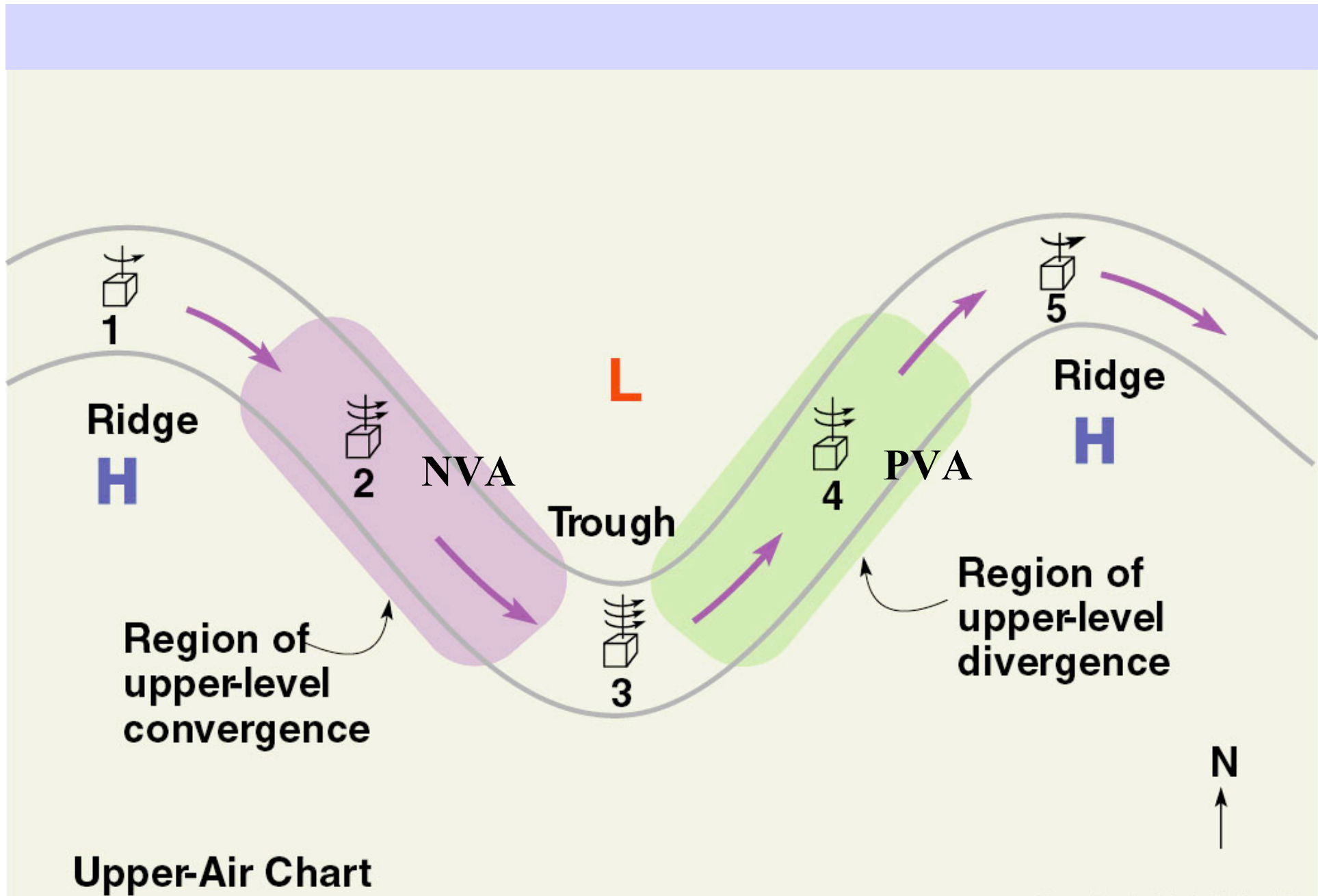
This is *positive vorticity advection (PVA)*.

Positive vorticity advection tends to enhance a surface low by making it spin faster.

This occurs along the downstream side of an upper level low.

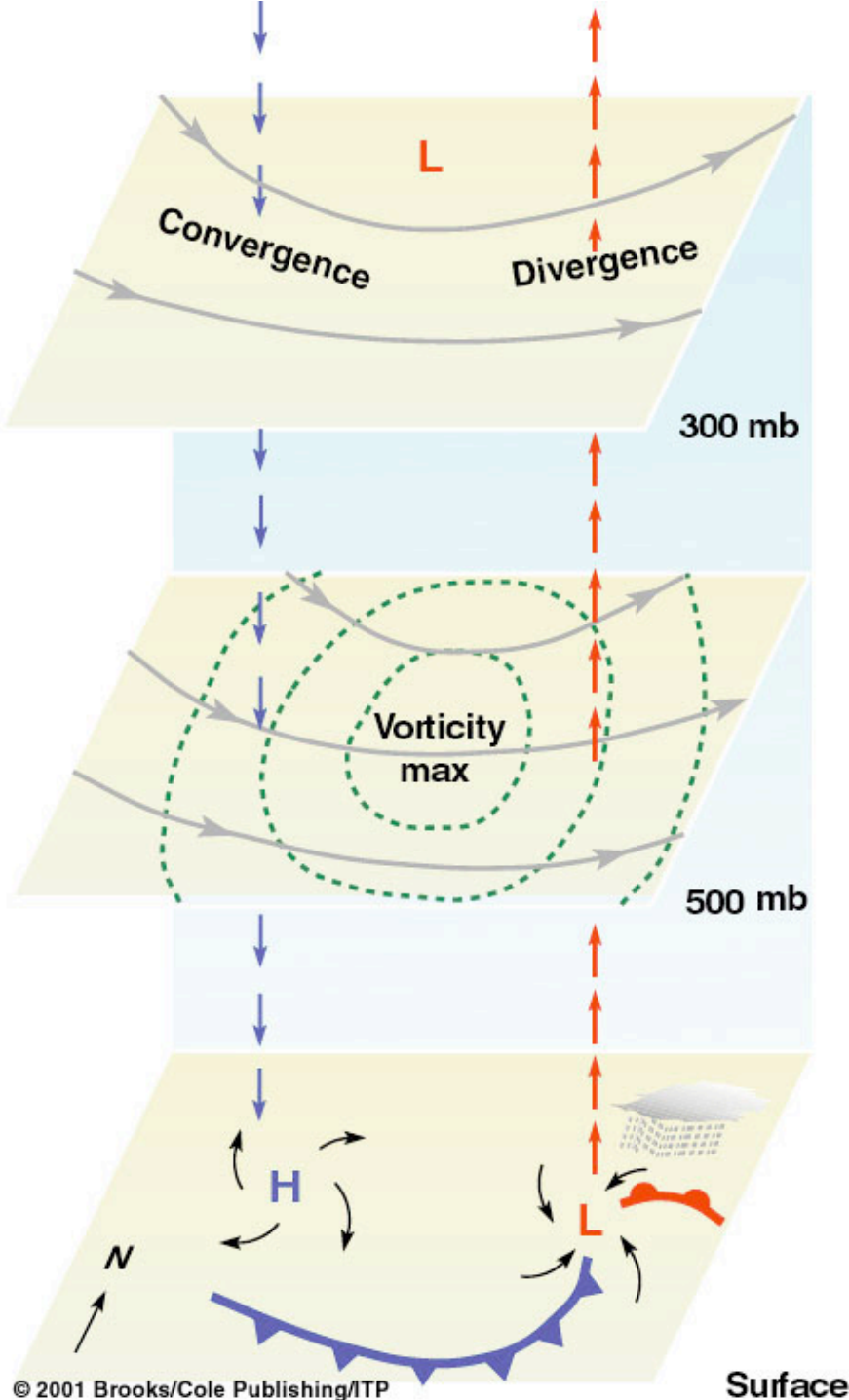


Figs. 13.20, 13.21, 13.23

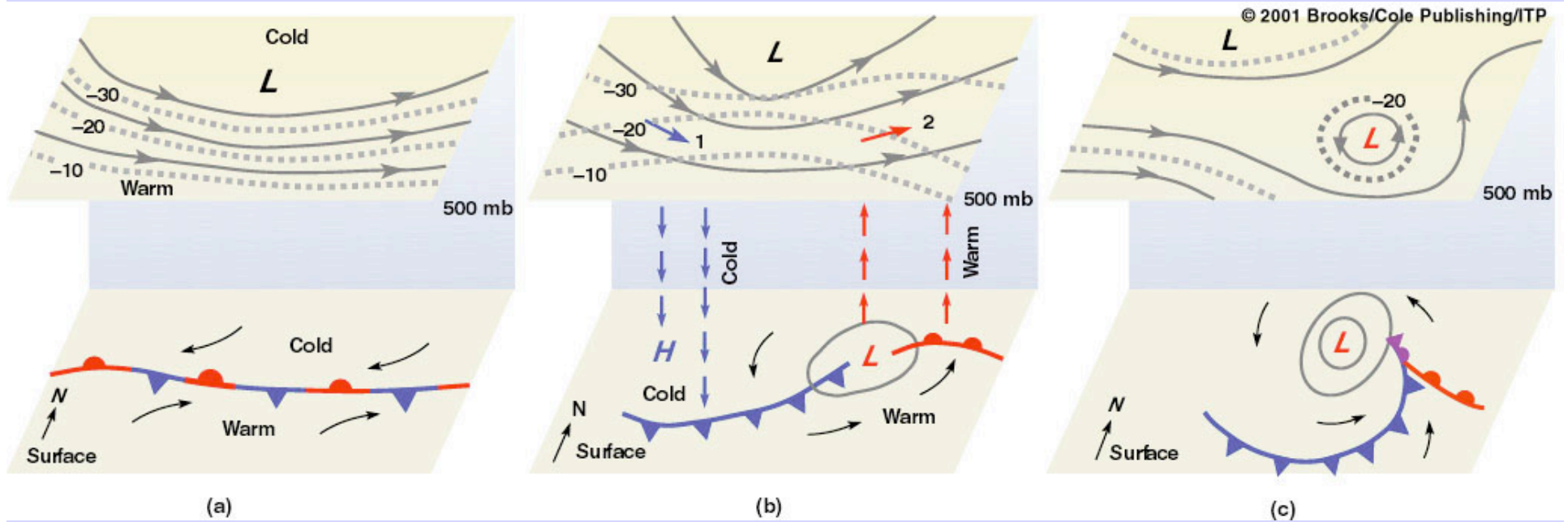


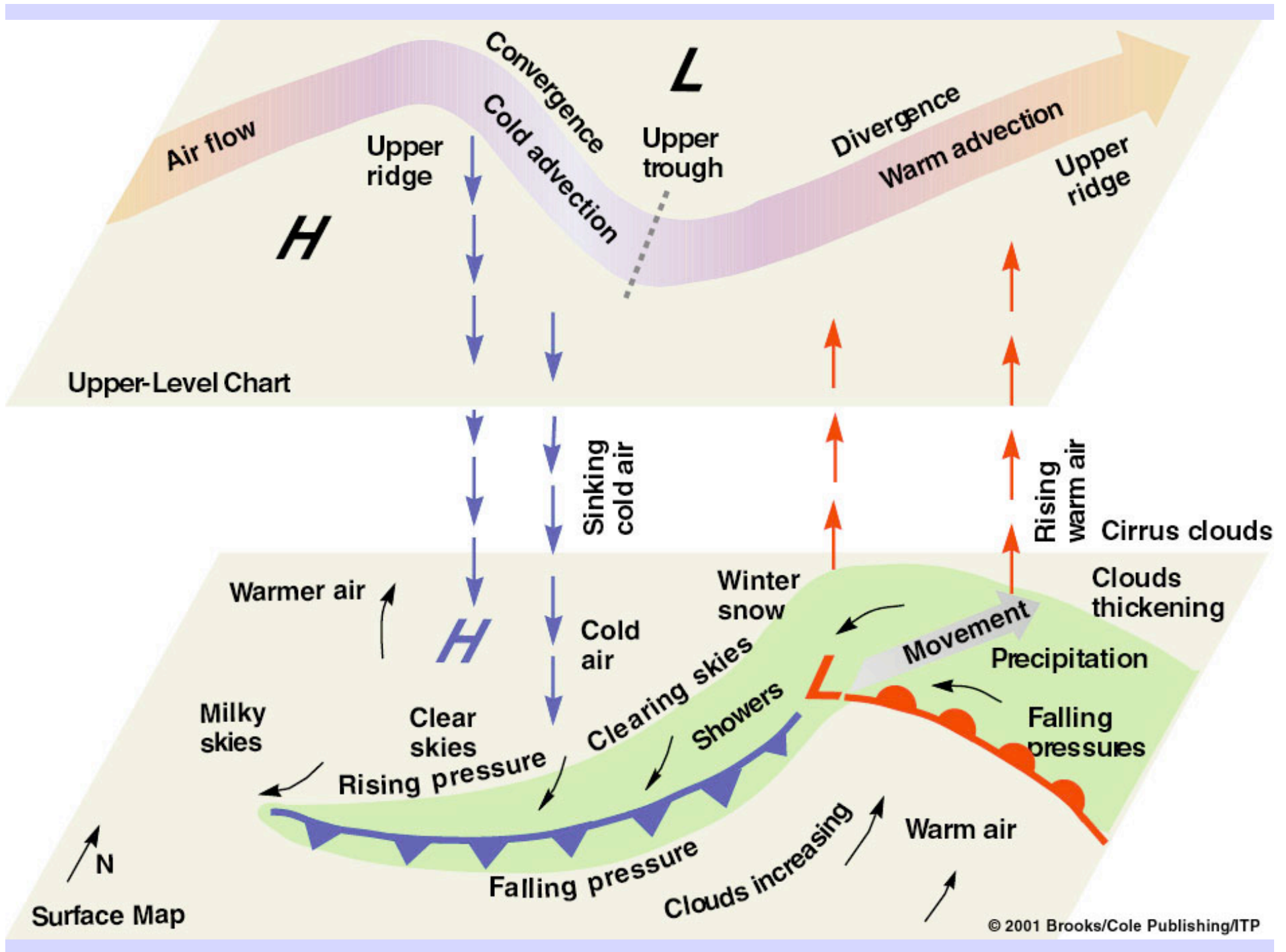
Upper-Air Chart

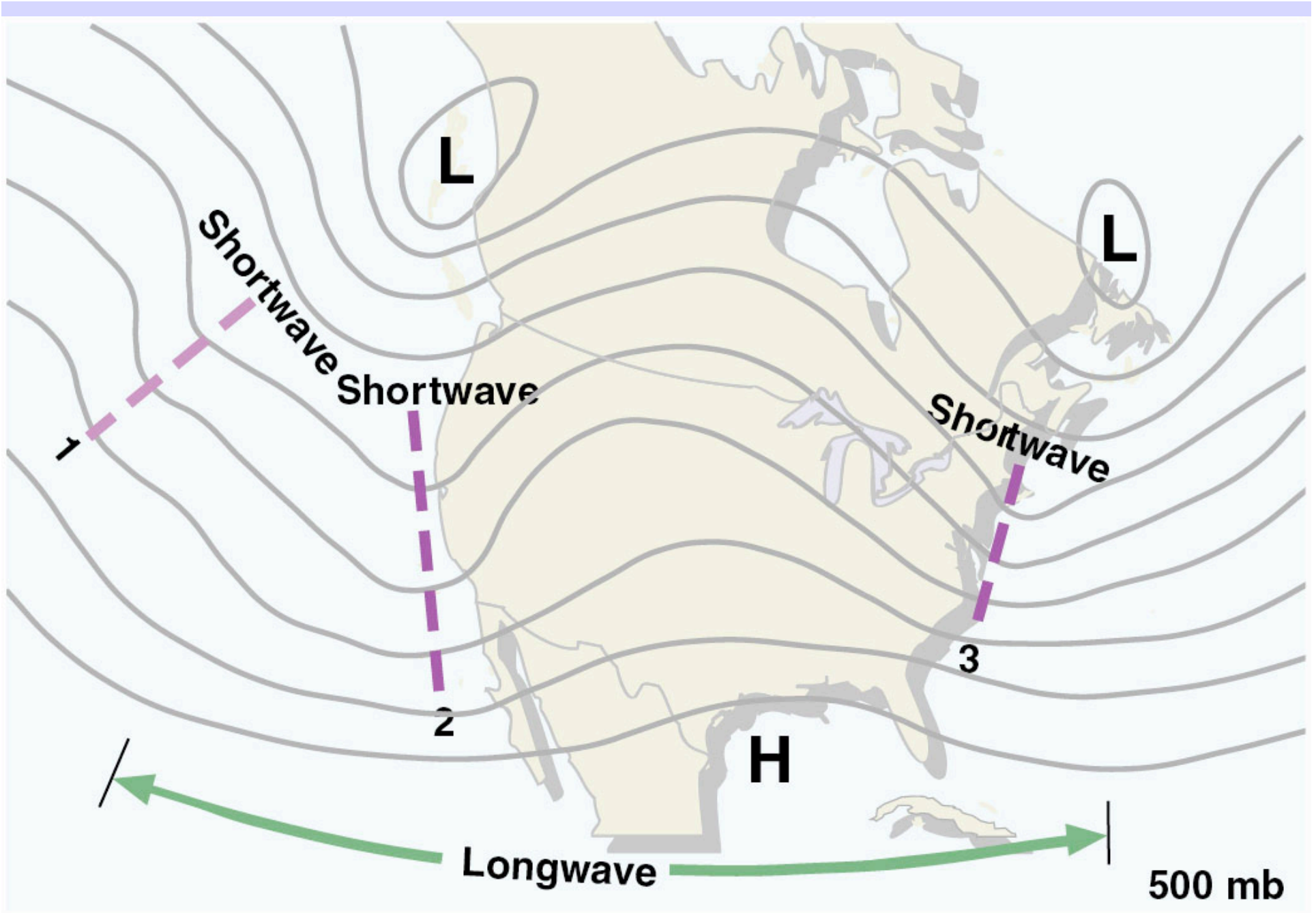
Recap



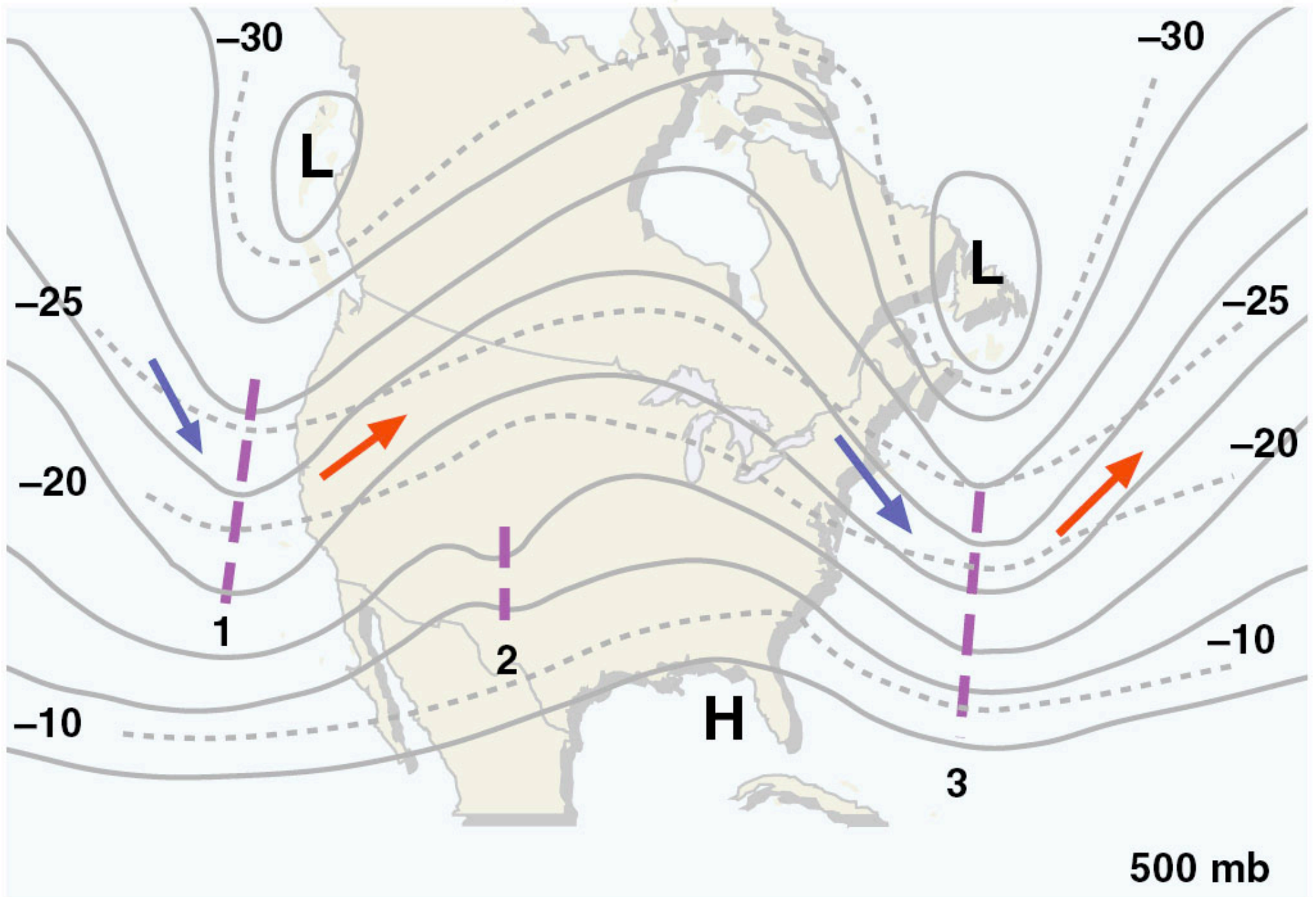
Development of a Baroclinic Wave







(a) DAY 1



(b) DAY 2 (24 hours later)