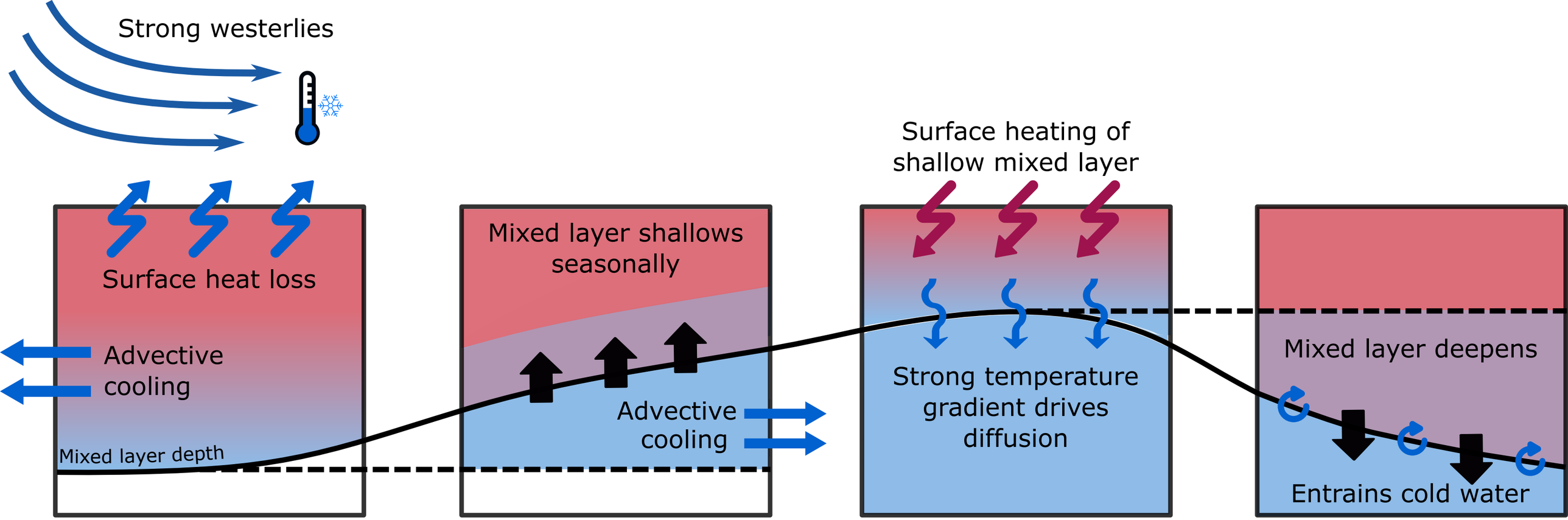

Winter:
Surface heat loss and advective cooling create initial cold anomaly

Spring:
Cold anomaly is trapped beneath mixed layer

Summer:
Re-emergence via diffusion

Autumn:
Re-emergence via entrainment