

# (a) Lateral Chl advection

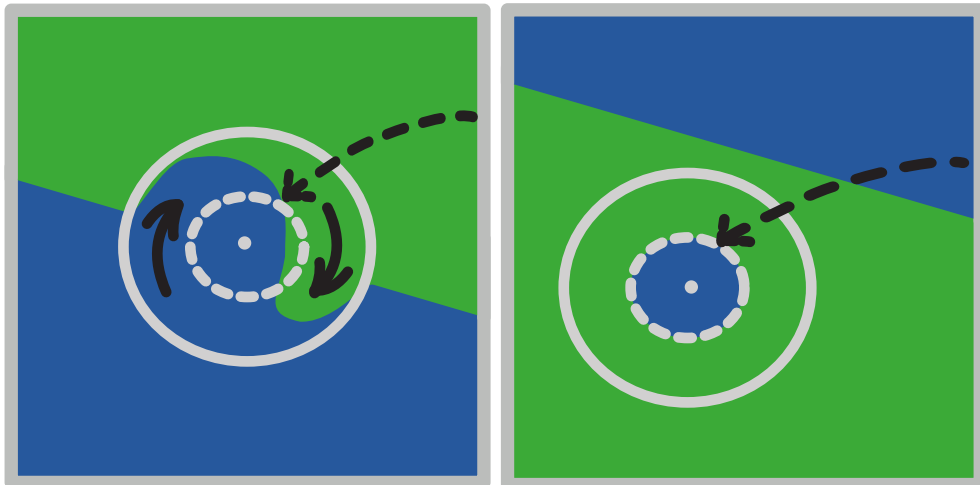
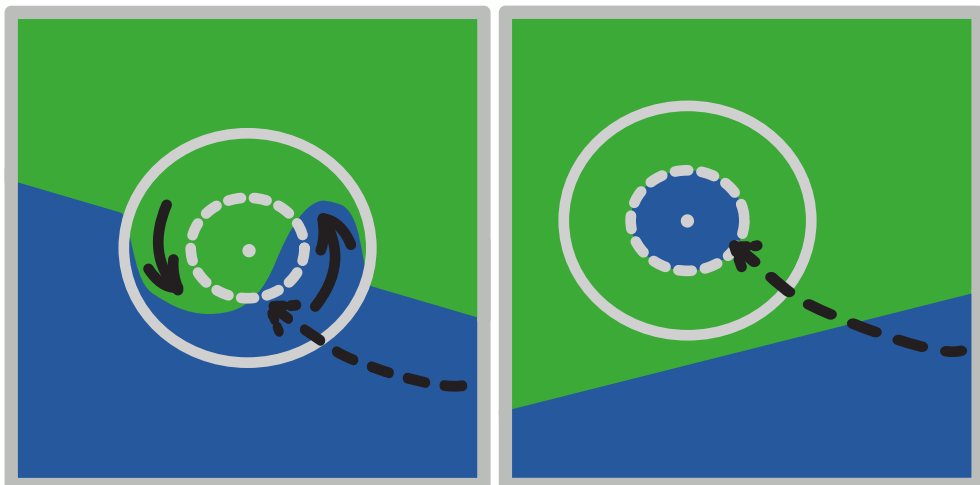
# (b) Local Chl change

Anticyclone

Cyclone

Stirring & entrainment

Trapping



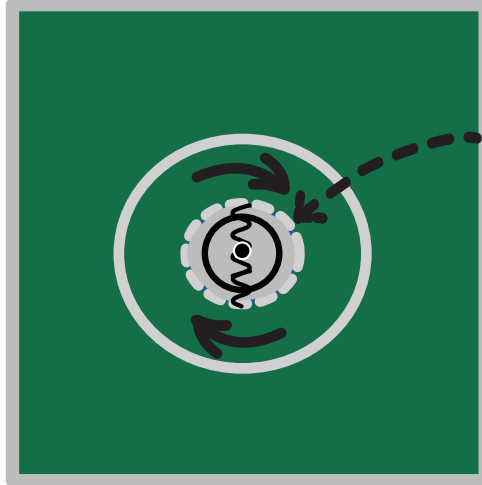
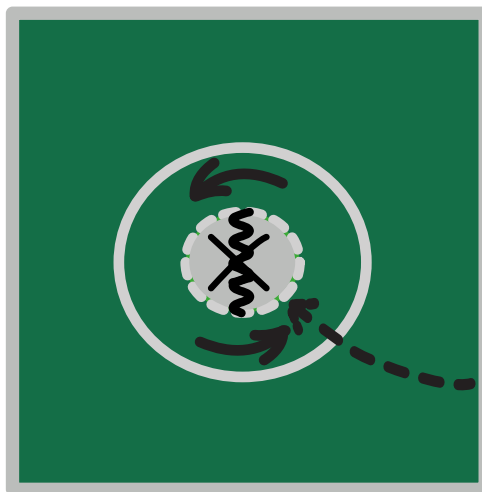
Shape of Chl

Asymmetric dipole

Monopole

Wind

Wind



anomaly

Monopole

- Chl intensity low
- Chl intensity high
- Chl intensity intermediate
- Chl intensity modification of either sign
- Eddy core
- Eddy edge
- Eddy rotation
- Eddy propagation
- Stronger or weaker vertical mixing
- Deepened or lifted thermocline