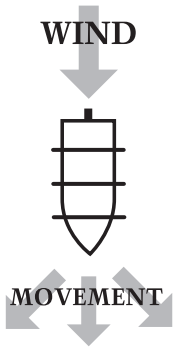


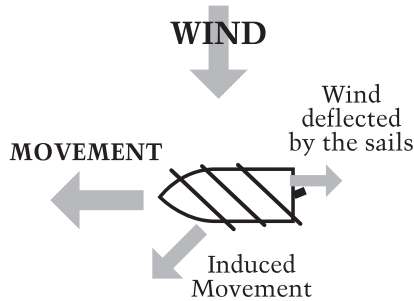
Understanding Sailing Concepts

SAILING WITH THE WIND



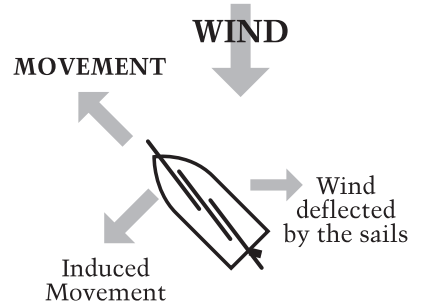
Wind from behind, rudder easily controls angle to left, right or straight

SAILING ABEAM THE WIND



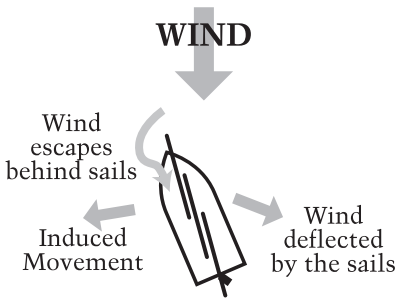
Wind from the side, sails angled or "braced" to deflect the wind aft, rudder angled to counter induced movement, fast sailing point

SAILING CLOSE-HAULED TO THE WIND



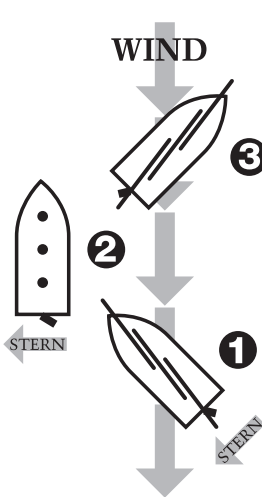
Wind from the front quarter, sails angled or "braced" sharply to deflect the wind, rudder angled to counter induced movement

LUFFING



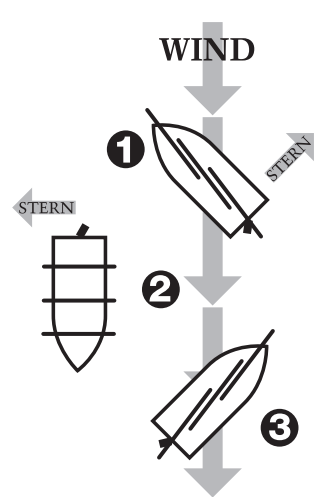
Wind from the front, sails no longer fill & wind escapes around the sails and they begin to flap, forward movement lost. The ship is in danger of being taken aback

COMING ABOUT



- 1) Close-hauled, helm is put hard alee causing stern to swing past the wind
- 2) Sails reduced and braced around to opposite side, forward momentum retained
- 3) Sails raised, ship close-hauled on new tack

WEARING SHIP



- 1) Close-hauled, helm is put hard aweather causing stern to swing through the wind
- 2) Sails braced round, ship moves downwind
- 3) Ship is close-hauled on new tack

TAKEN ABACK/IN IRONS



Wind from the front, sails pressed against masts, steerage way is lost