

Slantwise convection and inertial oscillations in ocean fronts

Aaron Wienkers & John R Taylor

Submesoscales $\rightarrow 0.1 - 10$ km

Under

Near-

Resonant $\rightarrow \frac{f}{\Omega} = 2 \sin \varphi \approx 1$

Inertial $\rightarrow f$

Shear

Experiment

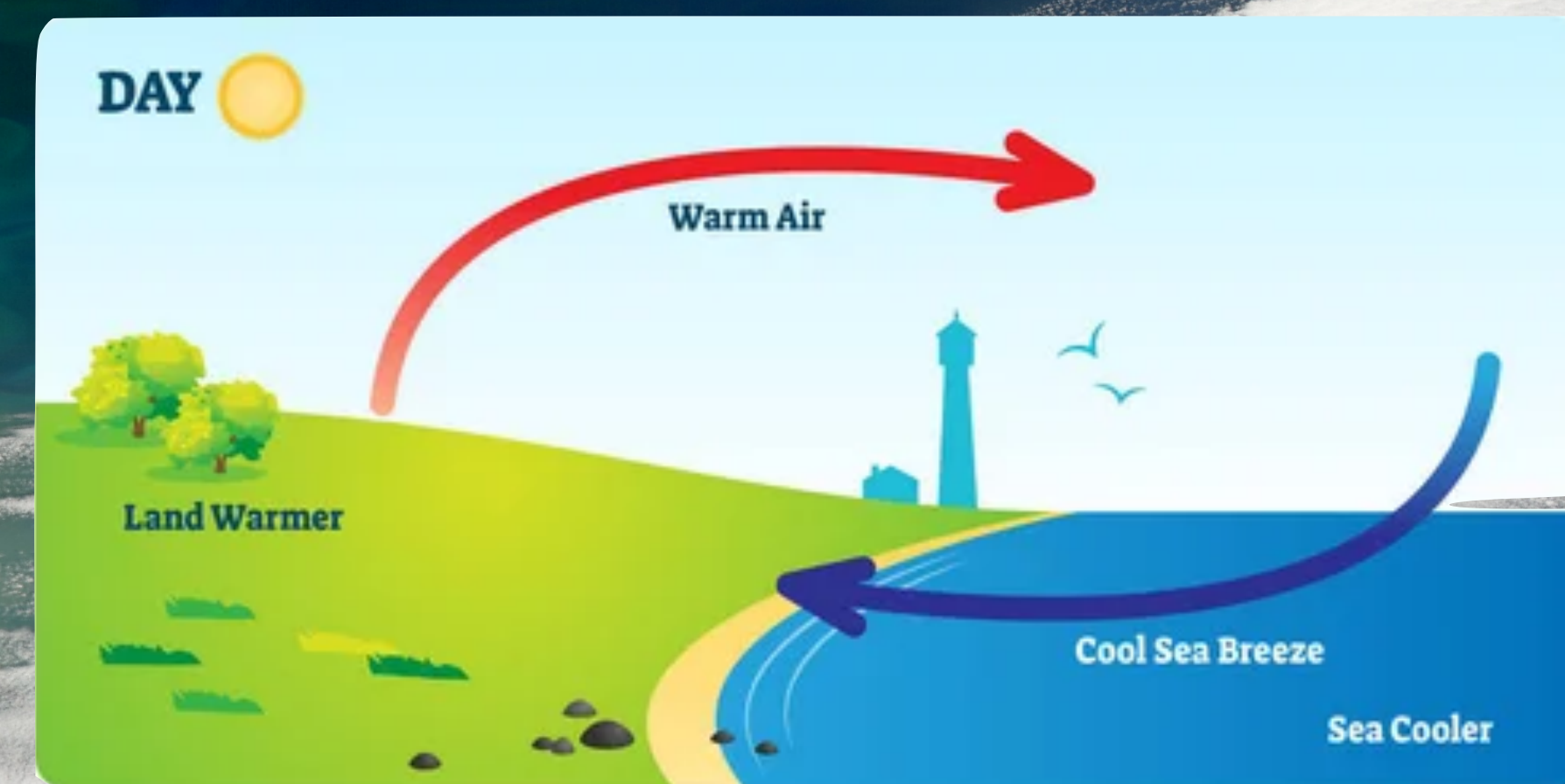
$\varphi \approx 28.7^\circ$

Fresh

Salty



Ω $\rightarrow$ i.e. diurnal



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