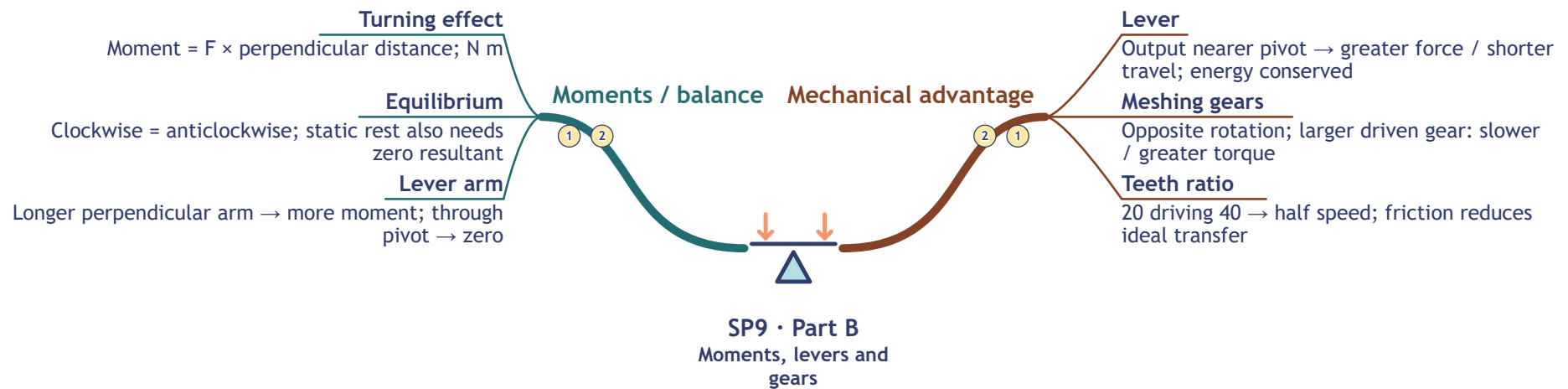




1. Moments / balance $\rightarrow$ Mechanical advantage: Perpendicular lever arms connect torque balance to mechanical advantage.
2. Mechanical advantage $\rightarrow$ Moments / balance: Greater output force or torque trades against distance or rotation speed.