

- In a flywheel, most of the mass is concentrated at the rim/ Spokes are fitted in the bicycle: **It increases moment of inertia, greater the moment of inertia, the more will be the opposition to any change in uniform rotational motion, as a result motion will be smooth and steady.**
- Can you distinguish between raw egg and boiled egg: **(boiled egg spins faster than raw egg, because raw egg has greater moment of inertia)?**
- A fan with blades takes longer time to come to rest than without blades: **Fan with blades has greater mass and greater moment of inertia, due to which it has greater opposition to any change in rotational motion**

**Which is faster: (Which has greater acceleration)**

**Solid Sphere > Solid Cylinder > Hollow Sphere > Ring = Hollow Cylinder**

**simplified Not**