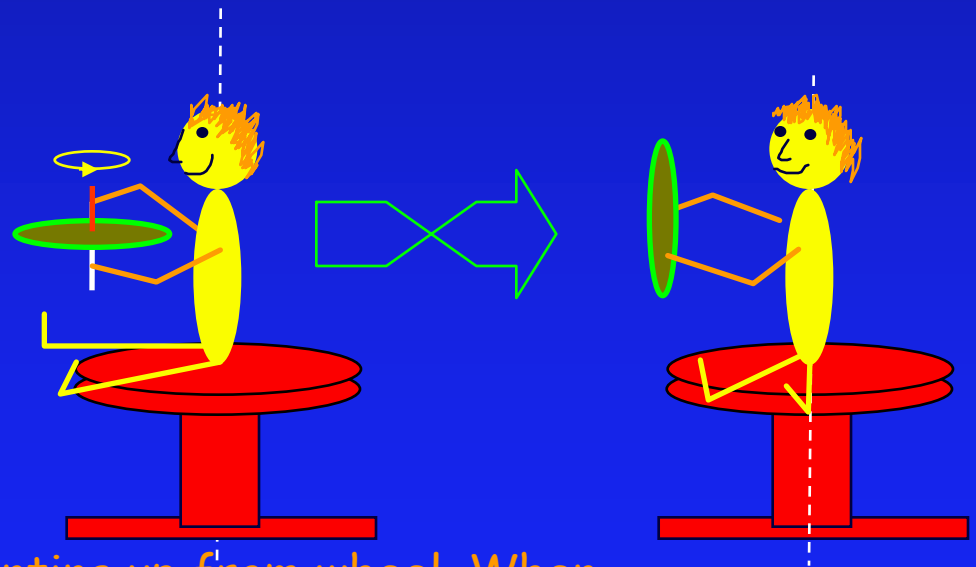


Turning the bike wheel

A student sits on a barstool holding a bike wheel. The wheel is initially spinning CCW in the horizontal plane (as viewed from above) $L = 25 \text{ kg m}^2/\text{s}$. She now turns the bike wheel over. What happens?

- A. She starts to spin CCW. ← CORRECT
- B. She starts to spin CW.
- C. Nothing



Start w/ angular momentum L pointing up from wheel. When wheel is flipped, no more angular momentum from it pointing up, so need to spin person/stool to conserve L !