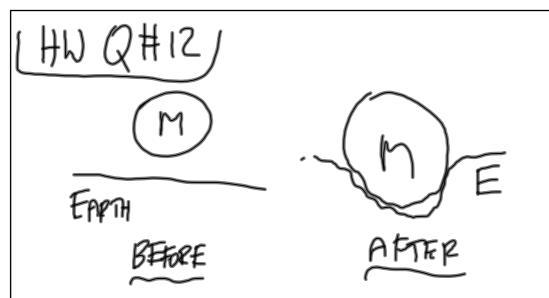
If J = 0 (system is isolated = no contact with the environment), then the momentum is conserved.

If $J \neq 0$ (system is not isolated = there is contact with the environment), then the momentum is NOT conserved.

$$P_{i_s} + J = P_{F_s}$$

Jan 30-7:45 AM



The answer depends on what is your system of interest! If the system is M only, then

If the system is M & E, then