
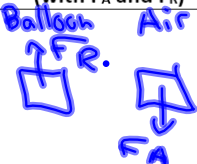

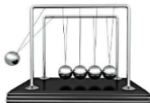














Newton’s Third Law: Action and Reaction Forces

| | Predict | Draw an FBD (with F_A and F_R) | Observe | Explain |
|--|----------|---|------------------|--|
| Balloon  | Explode! |  | Balloon went up. | Balloon pushes air down (F_A). air pushes balloon up (F_R). |
| Fan cart w/o sail  | | | | |
| Fan cart w/ sail  | | | | |
| Newton’s Cradle  | Explode. | | | |

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Newton's Third Law: Action and Reaction Forces

| | Predict | Draw an FBD (with F_A and F_R) | Observe | Explain |
|---|-------------------------------|--|-----------------------------|--------------------------------------|
| On roller chair, pushing against wall  | Vanish without a trace. | Wall Person/ chair   | They moved backwards. | |
| On roller chair, pushing against own shoulders  | Move backwards. | Body Arms   | | Arms are attached to his body. |
| Standing on scale, pushing on desk  | Fly away. Gots smaller | Table Person   | | |
| Standing on scale, pushing on head  | Nothing happens. | Head Hands   | | |