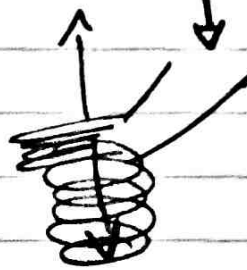
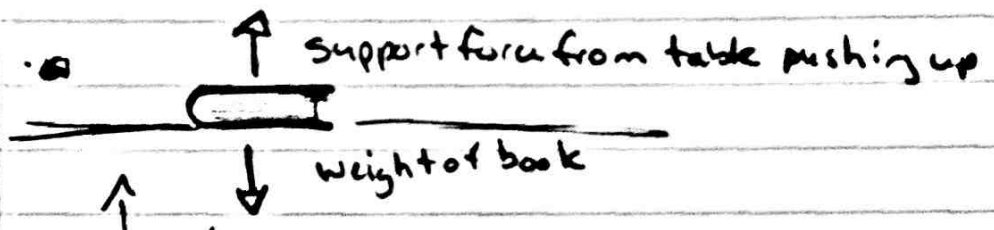


2.3 Support force key

Support force
also called → (normal force)

weight

upward force that balances the weight of an object on a surface



The spring pushes on your hand with as much force as you push down on the spring.

The support force is equal to the object's weight!

Support force $>$ object's weight = ejection seat

Support force $<$ object's weight = broken table...

The upward support force is as much as the downward pull of gravity