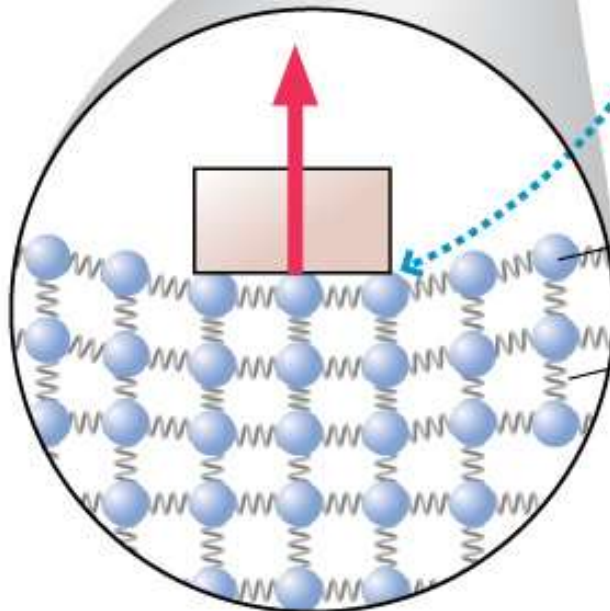


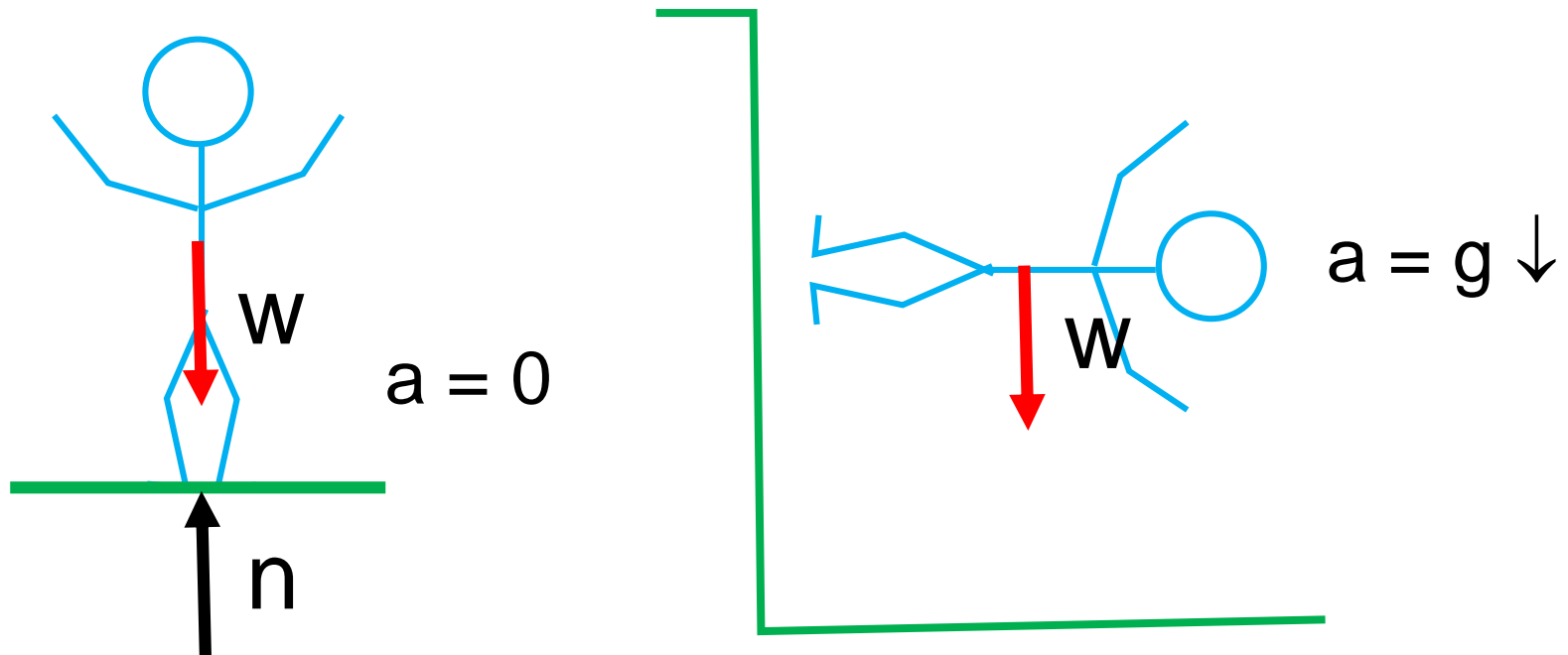
The compressed molecular springs push upward on the object.

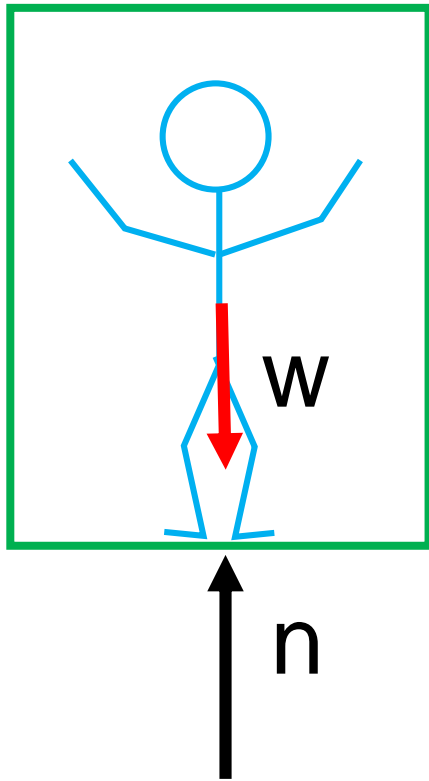


Atoms

Molecular bonds

- Normal measures how hard you are pressed into surface.
- Normal \perp surface directed thru object
- If you fall off a cliff you feel light as a feather ('til you hit).
- Lose contact with a surface $N \rightarrow 0$





- Normal is your sense of weight.
- You feel heavier in an elevator accelerating upwards b/c floor is pushing harder.
- Real weight mg is constant
- Another name – “Apparent Weight”
- Lose contact with a surface $N \rightarrow 0$
- One N for each surface [OHQ](#)