

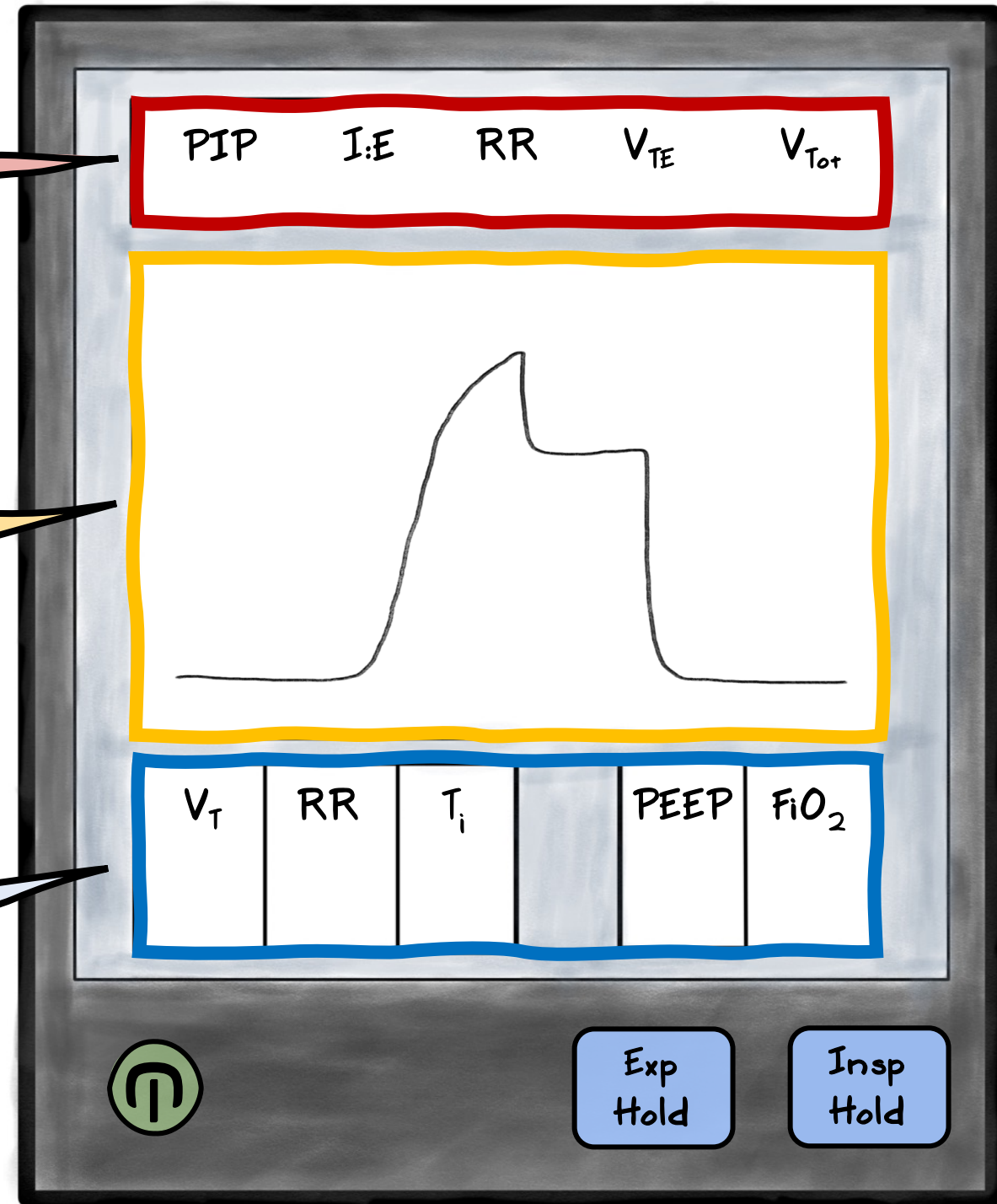
**VENT ALARMS:
USEFUL, NOT
JUST ANNOYING**



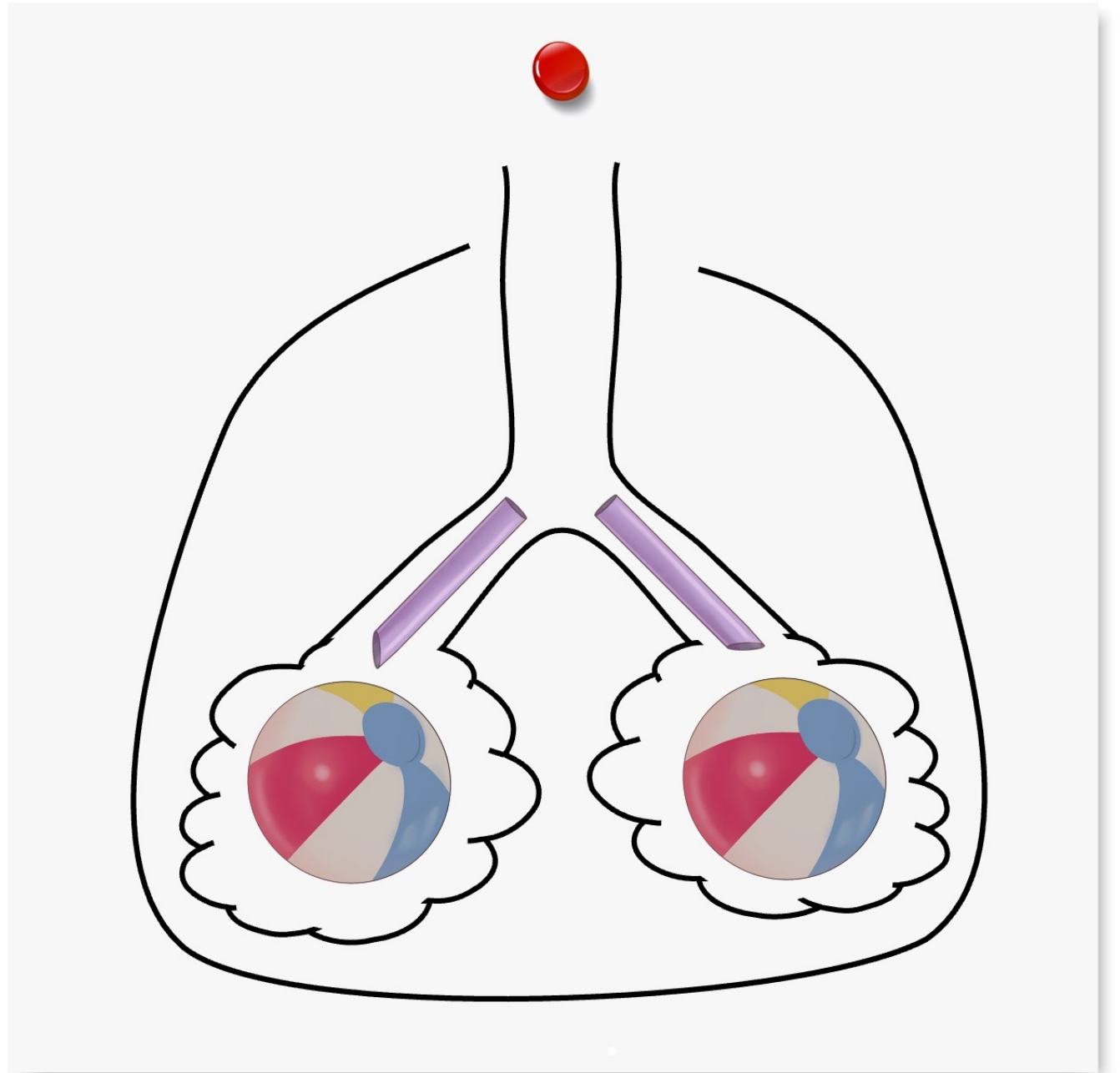
The vent tells you what is **ACTUALLY** happening

The vent explains to you **WHY** things are happening

You tell the vent what you **WANT** to happen

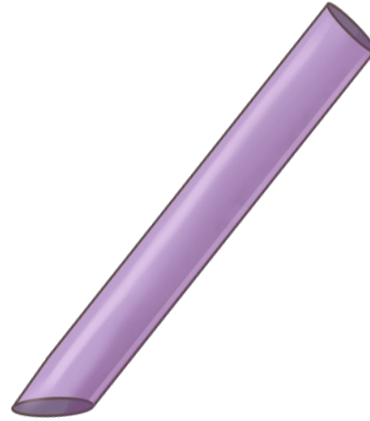


BASIC PULMONARY PHYSIOLOGY (REALLY BASIC)



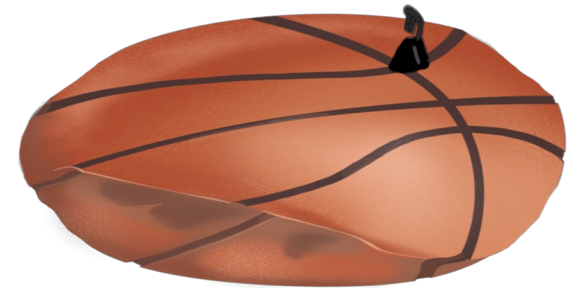
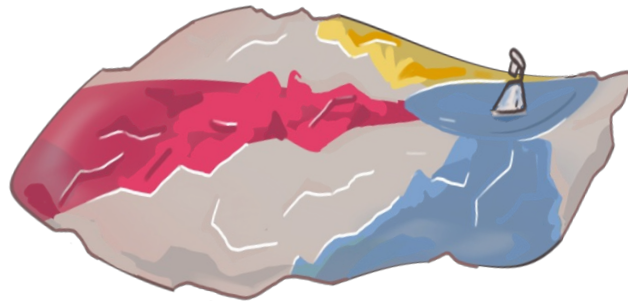
Pressure required to
get the air to the ball

RESISTANCE



Pressure required
to inflate the ball

COMPLIANCE



THE 2 VENT ALARMS YOU DON'T CARE ABOUT SO MUCH

↑ Respiratory Rate

Address sedation, pain,
agitation, or neurologic issue

↓ Respiratory Rate

Switch out of spontaneous
ventilation mode (ie: PS)



THE 2 VENT ALARMS
YOU DEFINITELY VERY
MUCH CARE ABOUT



LOW TIDAL
VOLUME



HIGH PEAK
PRESSURE



LOW TIDAL
VOLUME

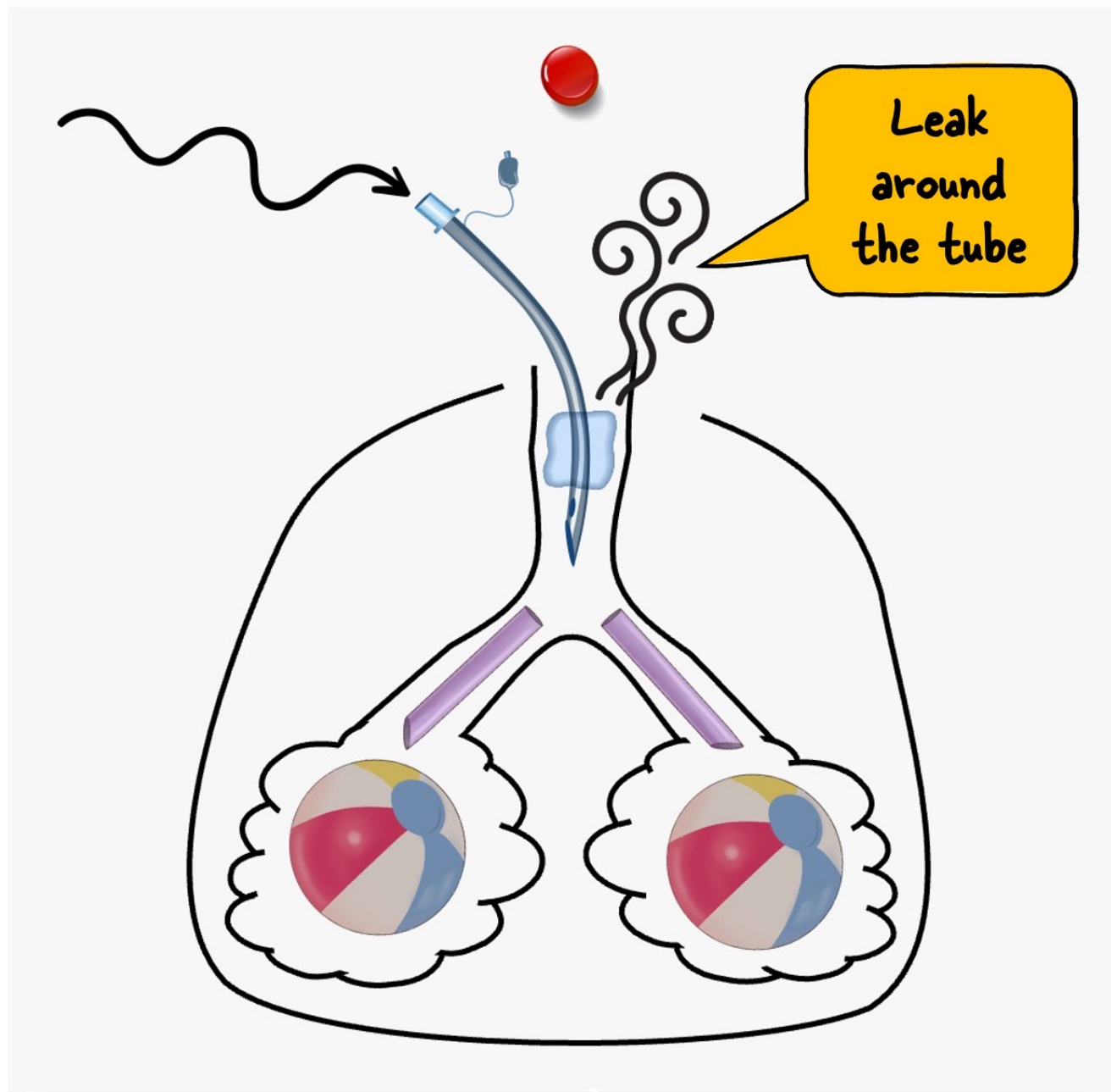


HIGH PEAK
PRESSURE

LOW TIDAL
VOLUME

+

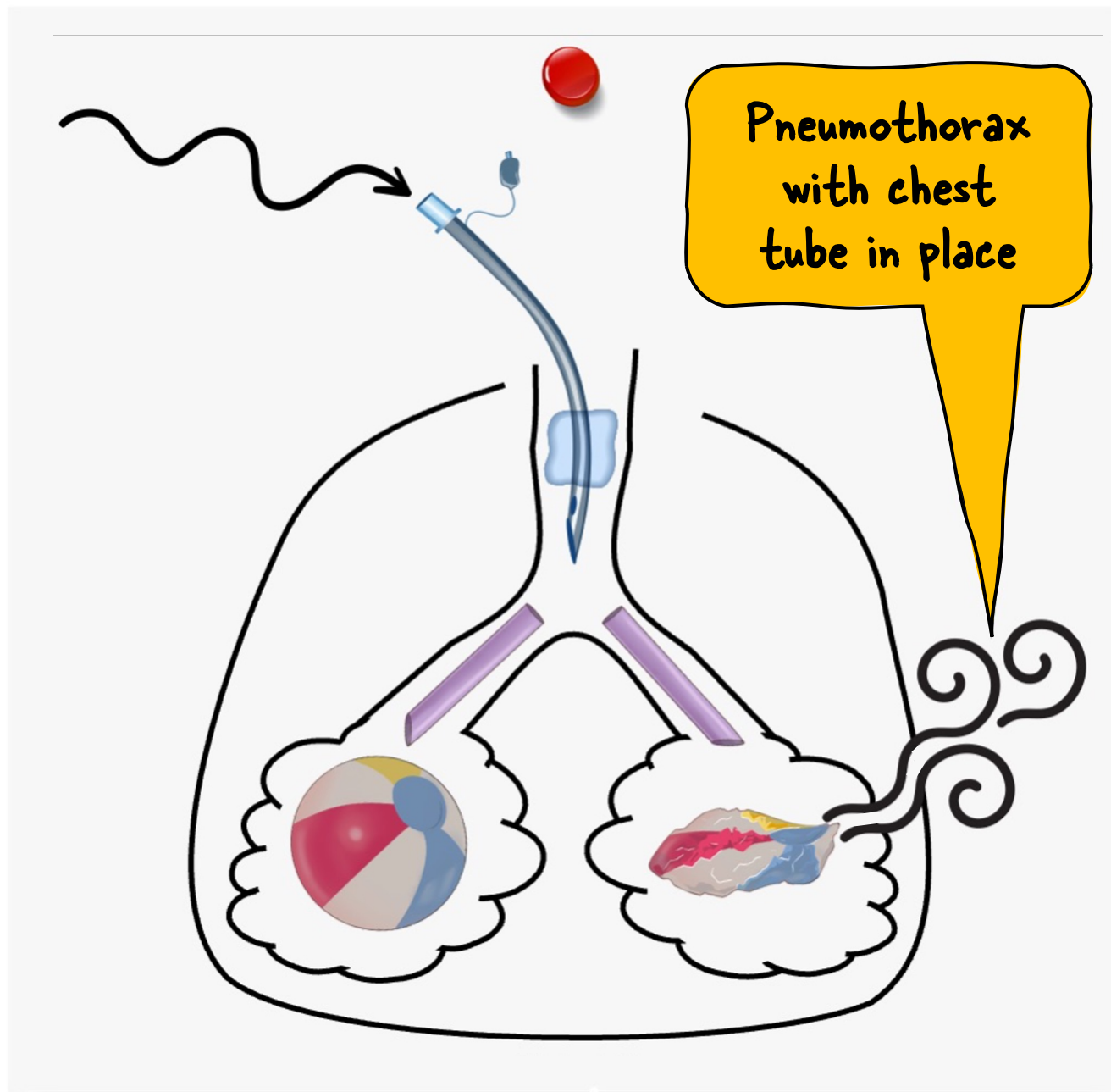
LOW PEAK
PRESSURE



LOW TIDAL
VOLUME

+

LOW PEAK
PRESSURE





LOW TIDAL
VOLUME

Peak
Pressure
Low



Locate
the air
leak



LOW TIDAL
VOLUME

Peak
Pressure
Low



Locate
the air
leak

Peak
Pressure
High



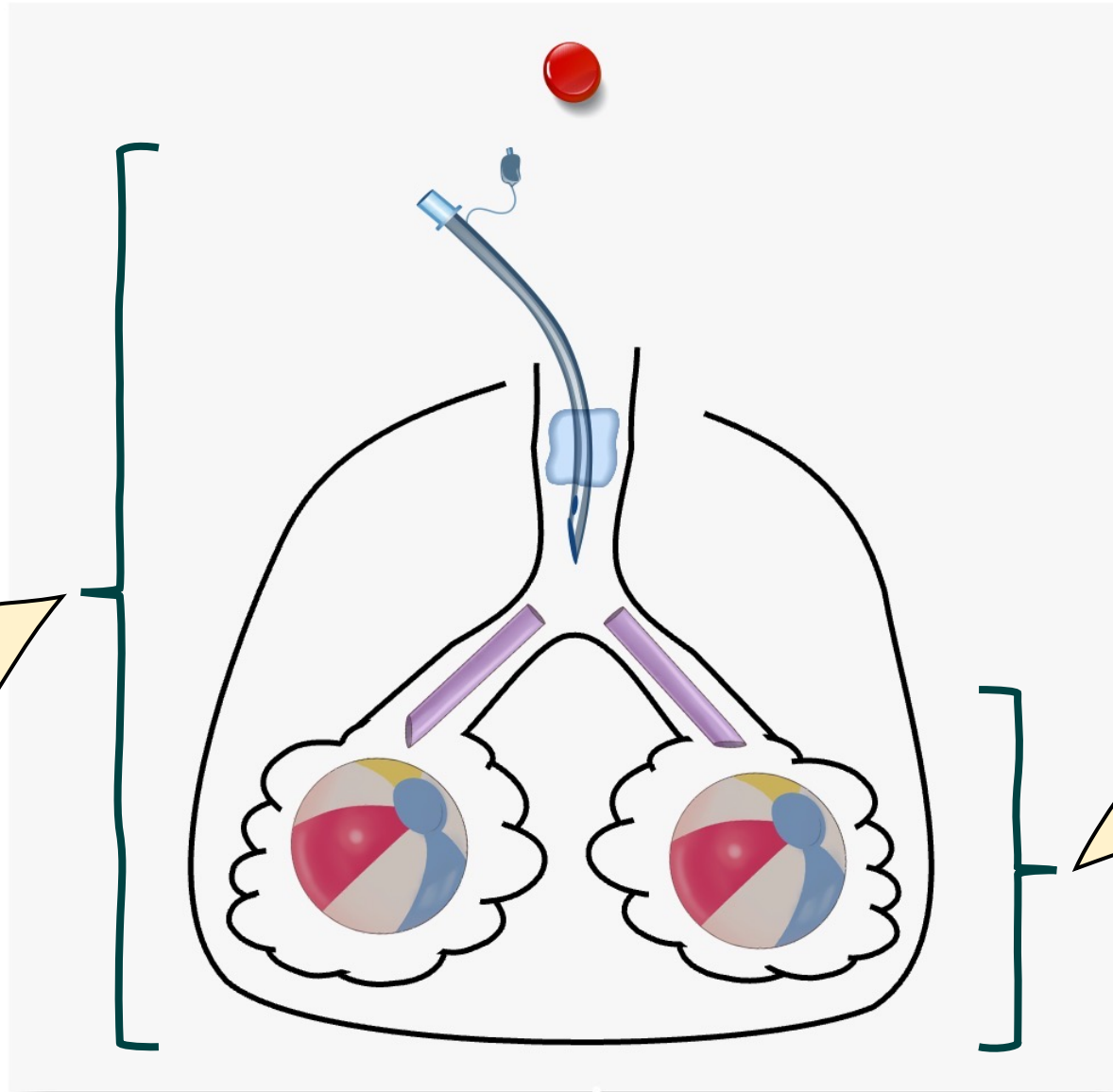
LOW TIDAL
VOLUME



HIGH PEAK
PRESSURE

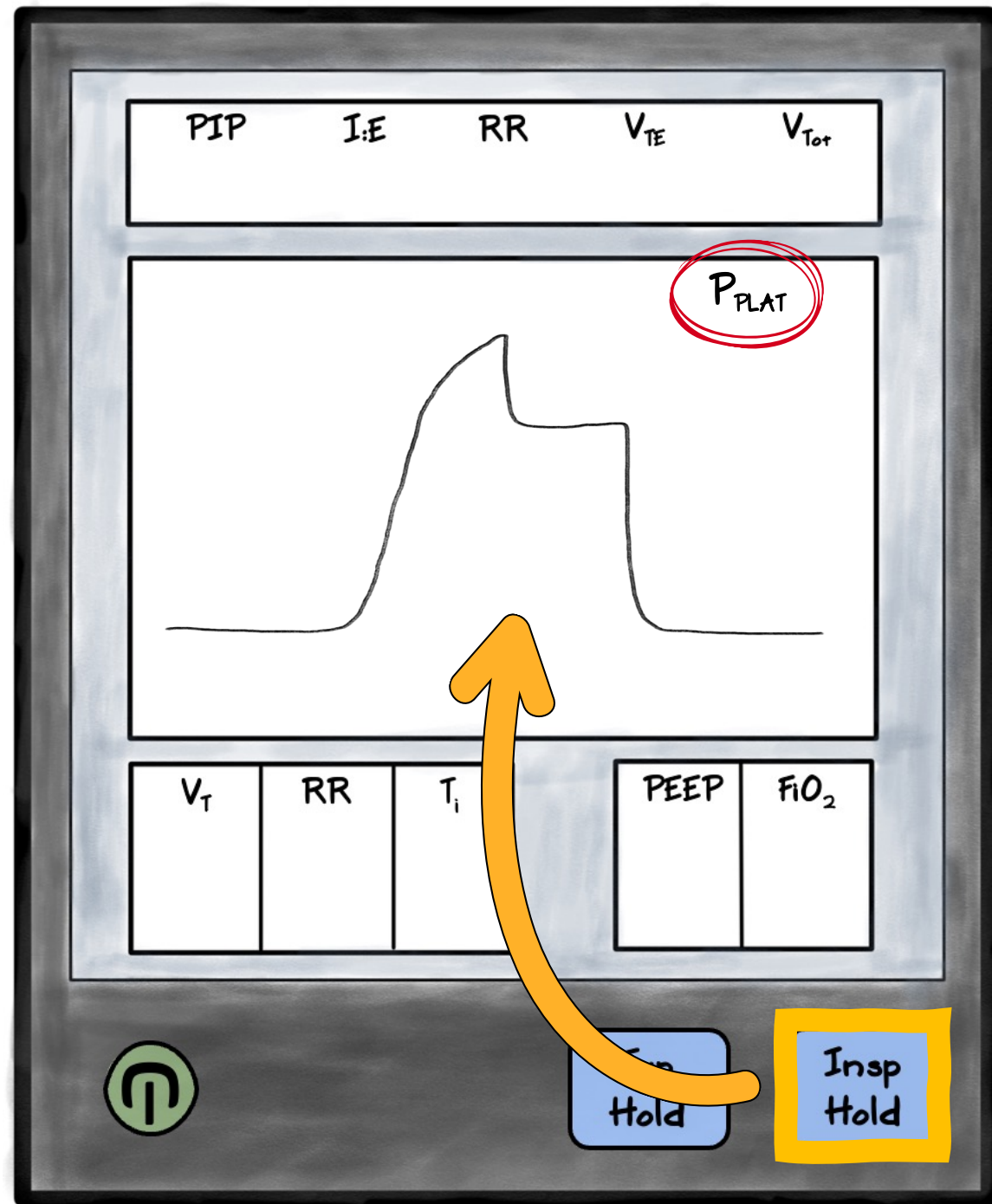
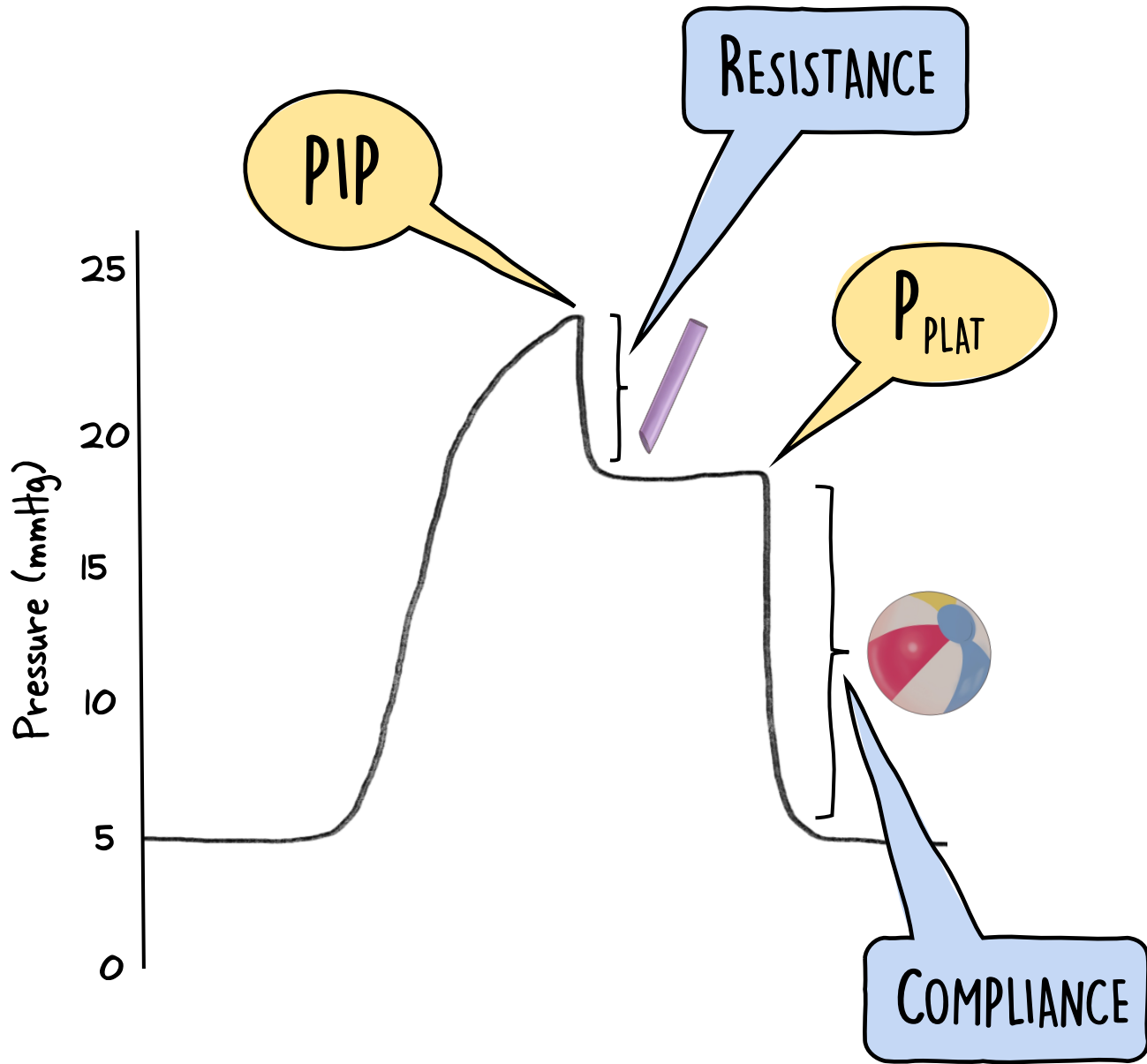
PEAK PRESSURE (PIP)

Highest pressure
detected at
any point in
the system

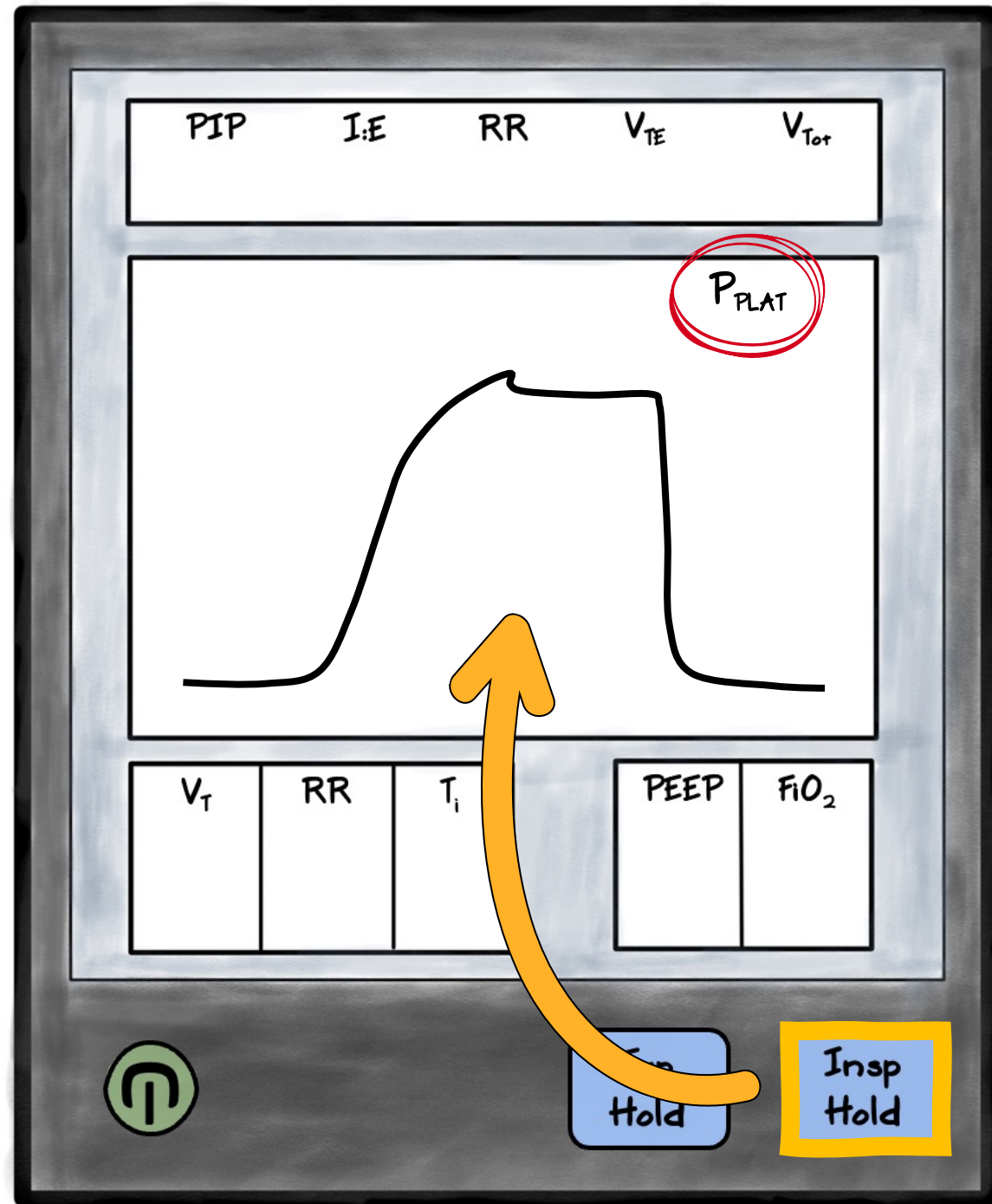
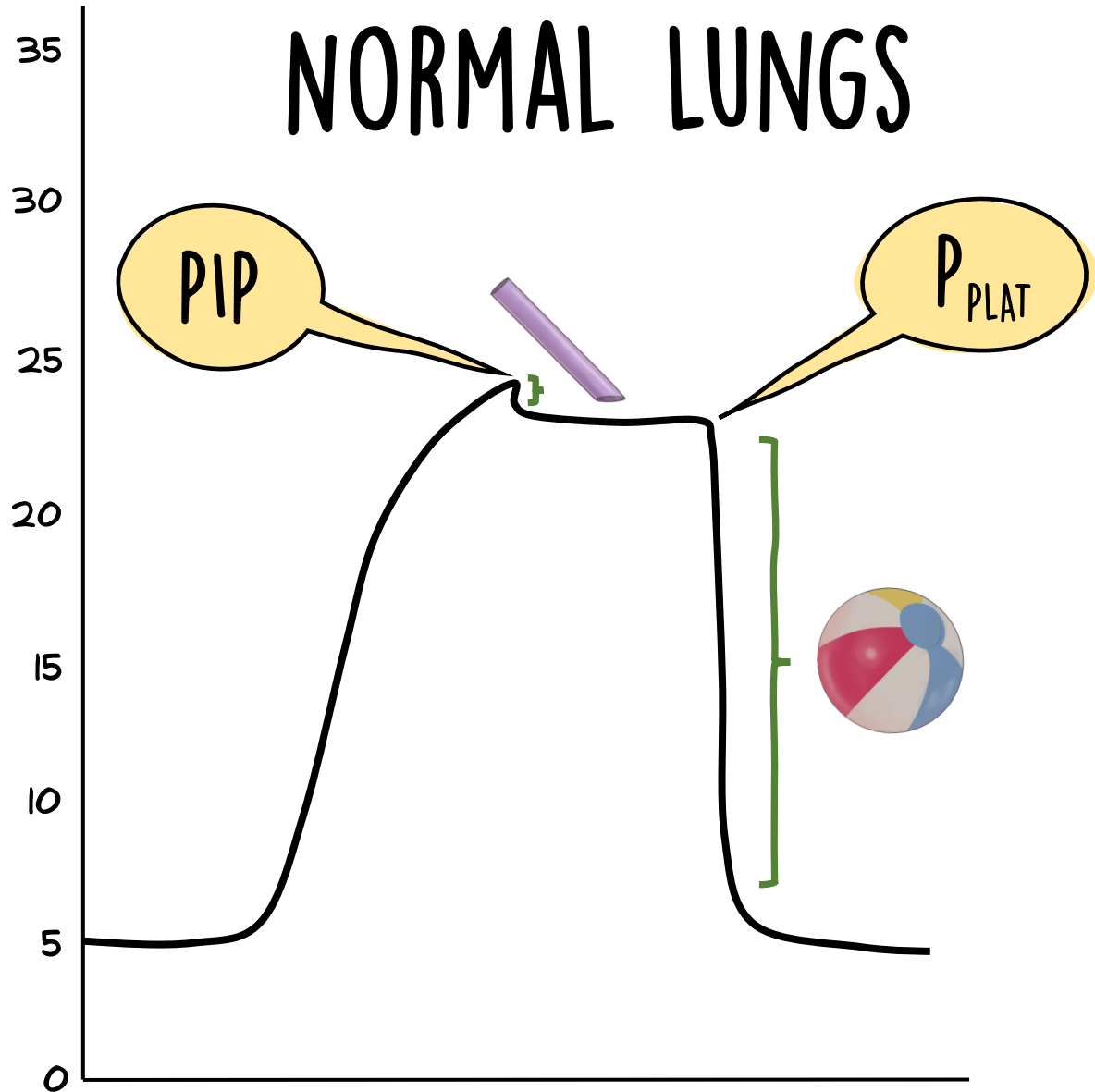


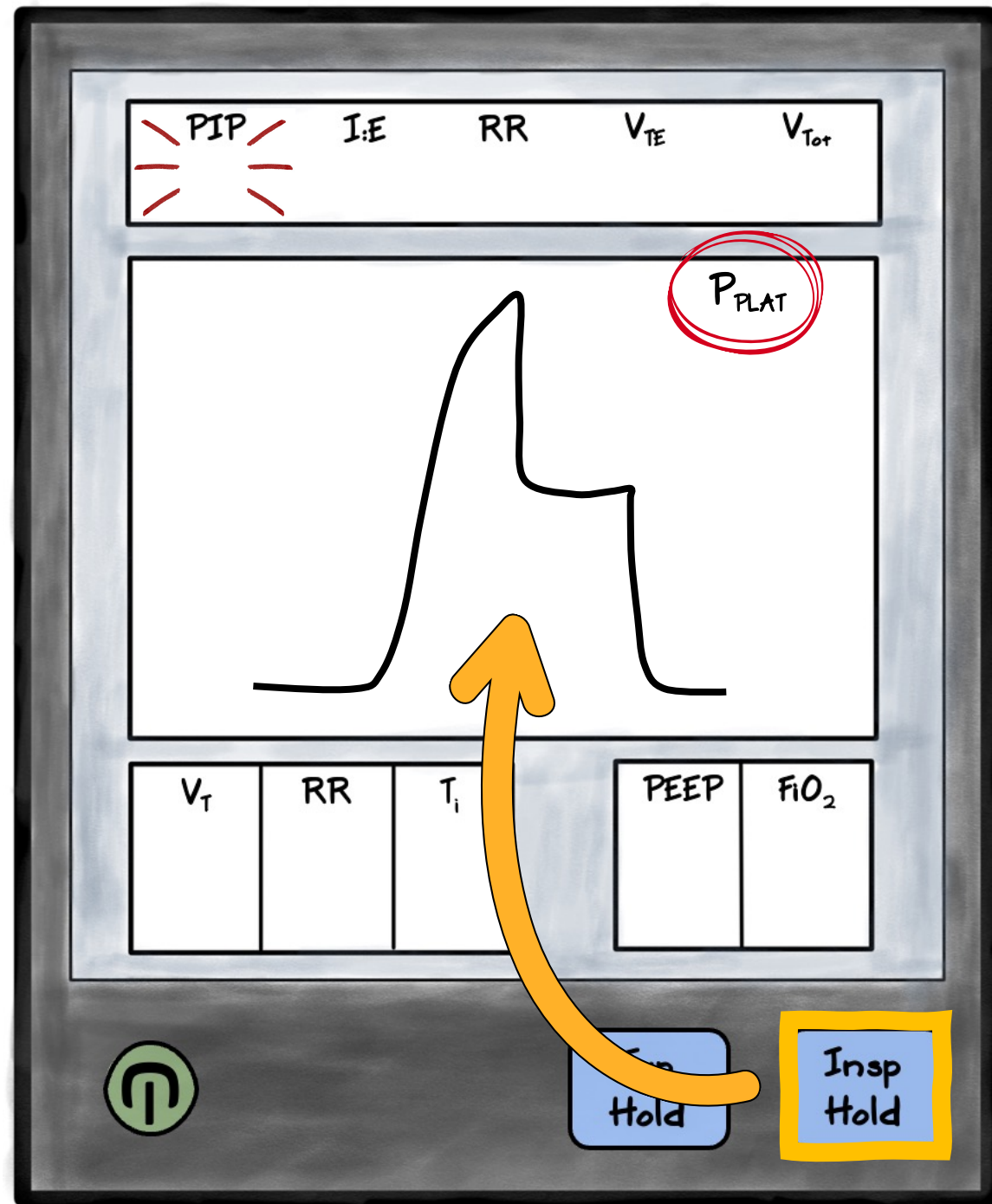
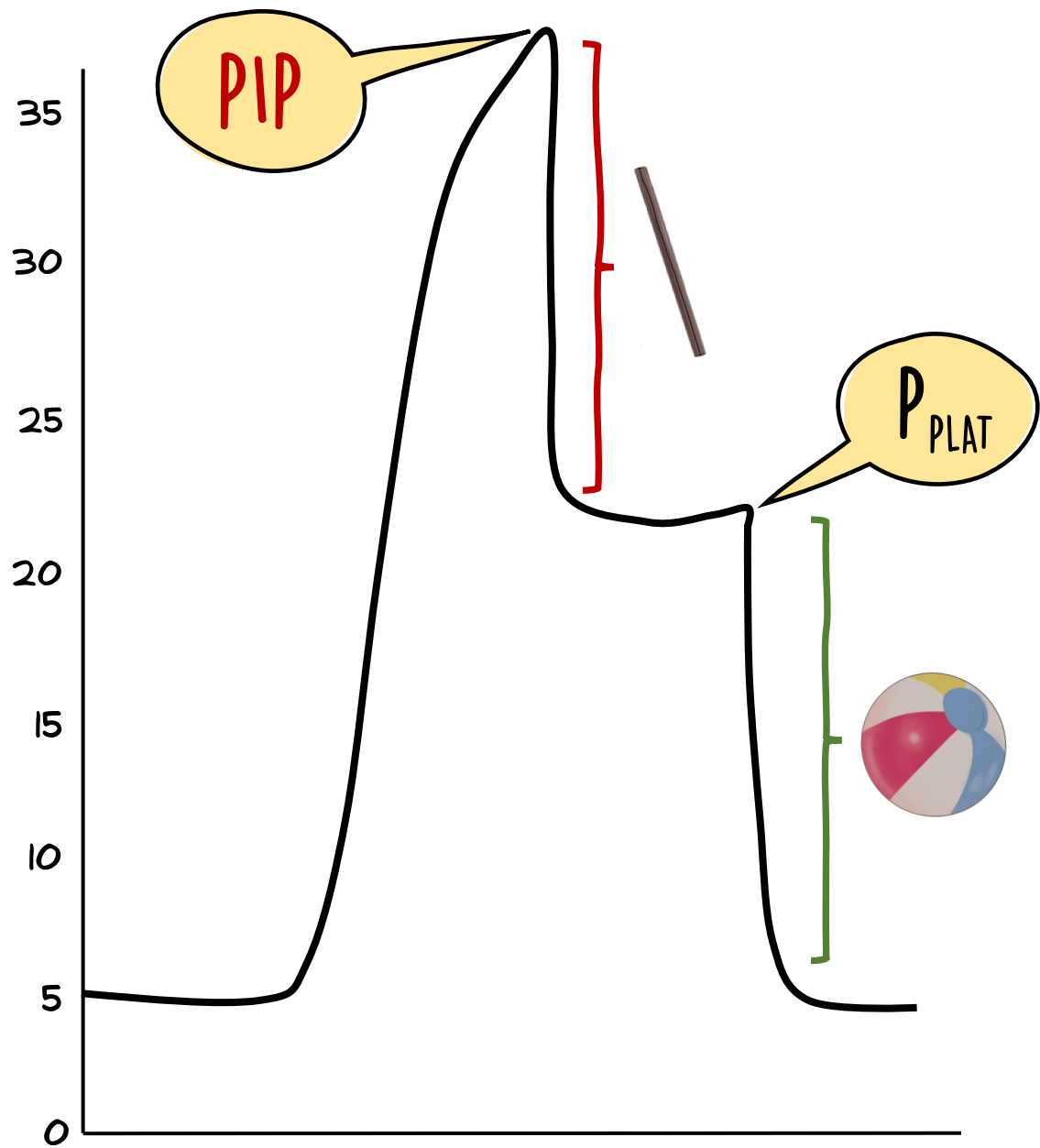
PLATEAU PRESSURE (P_{PLAT})

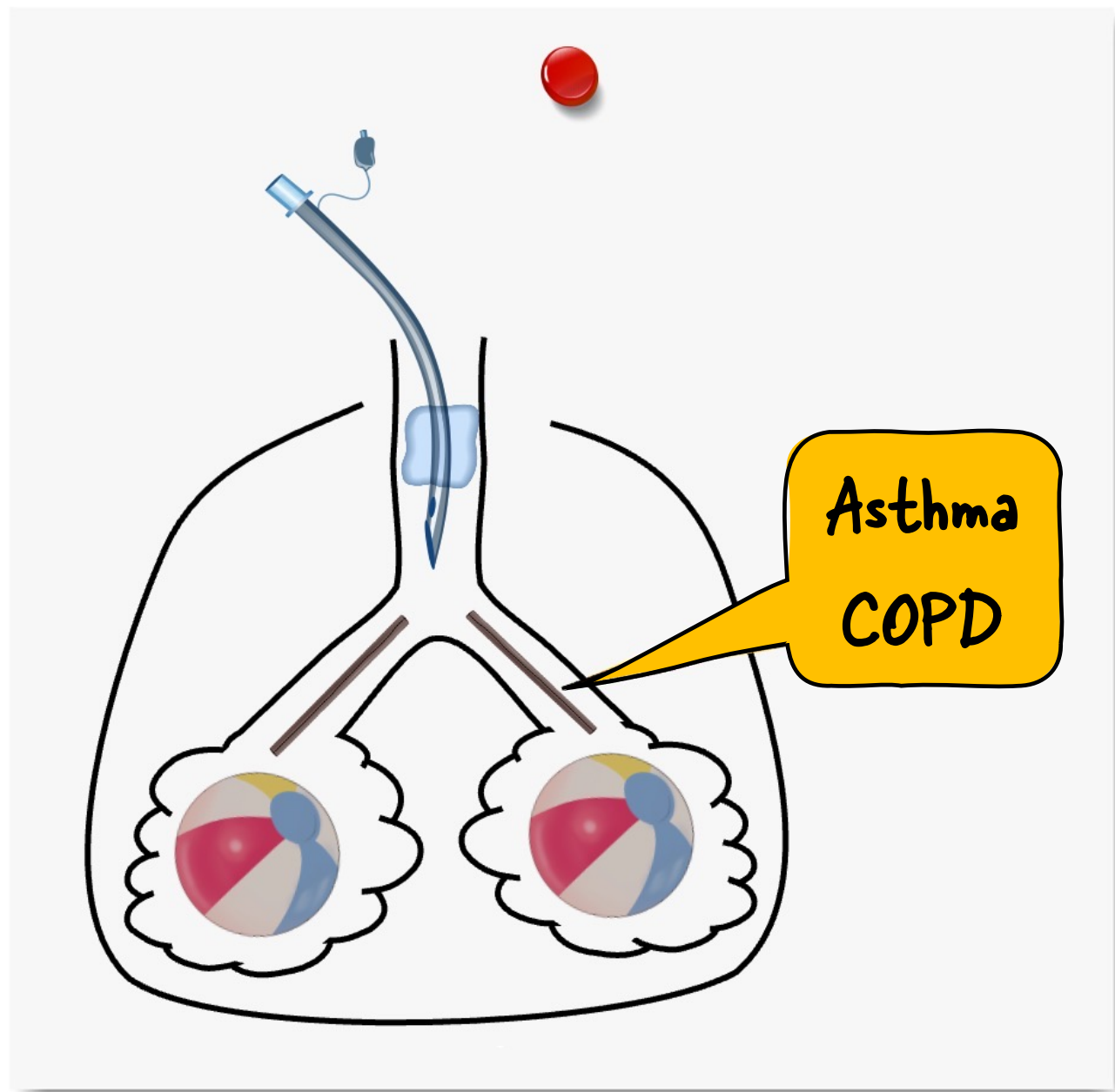
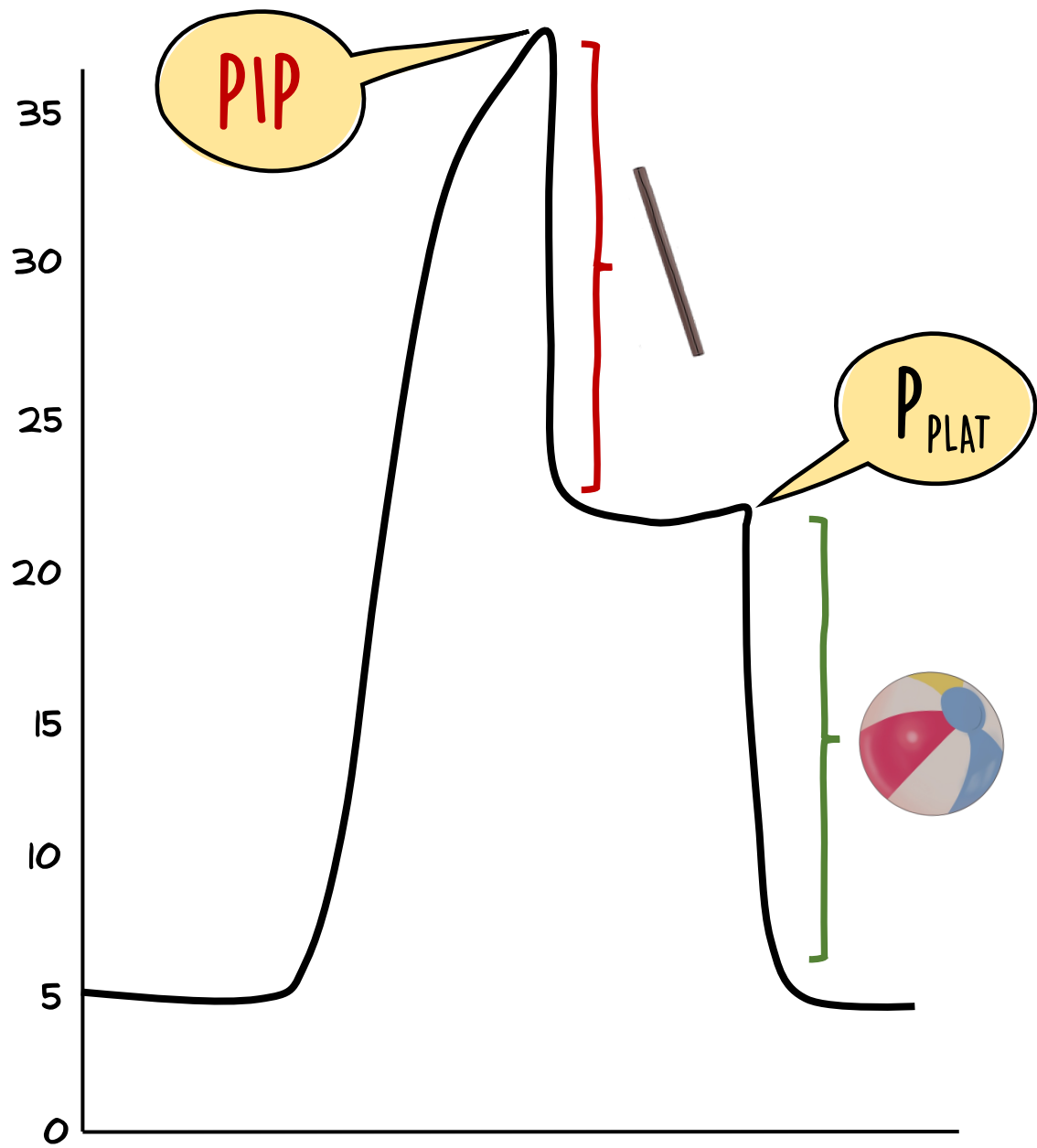
Highest pressure
that the alveoli
are seeing

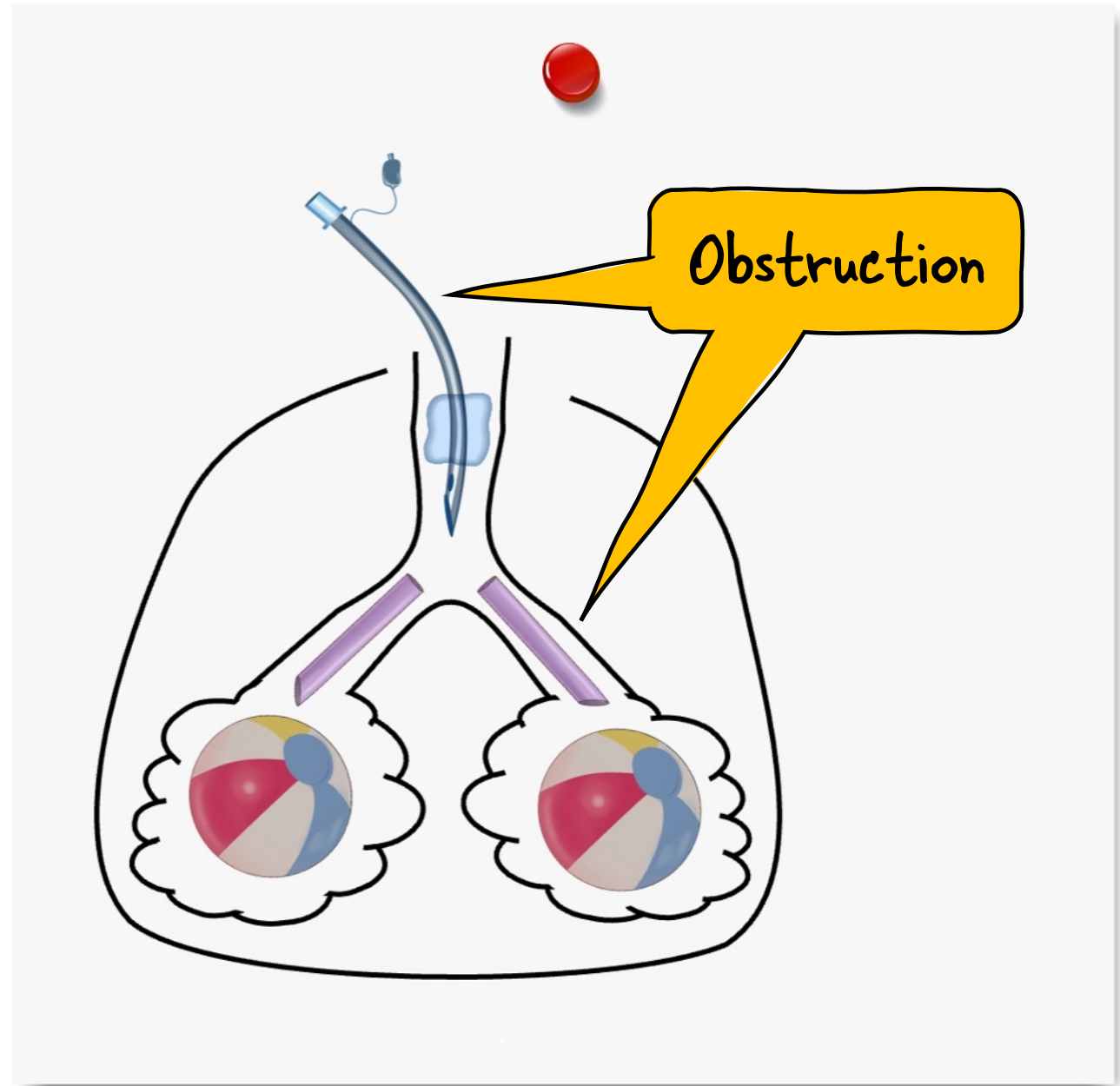
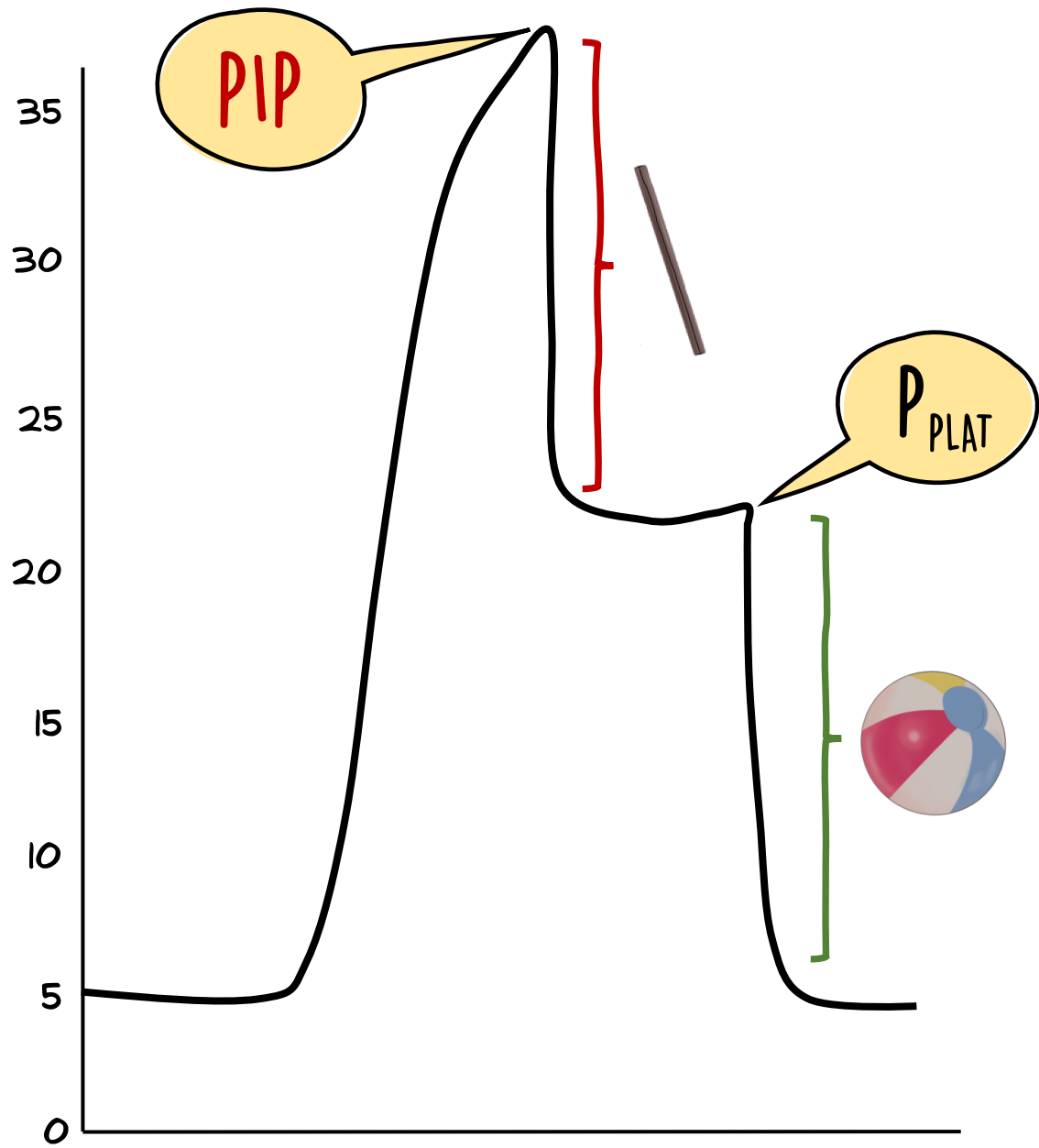


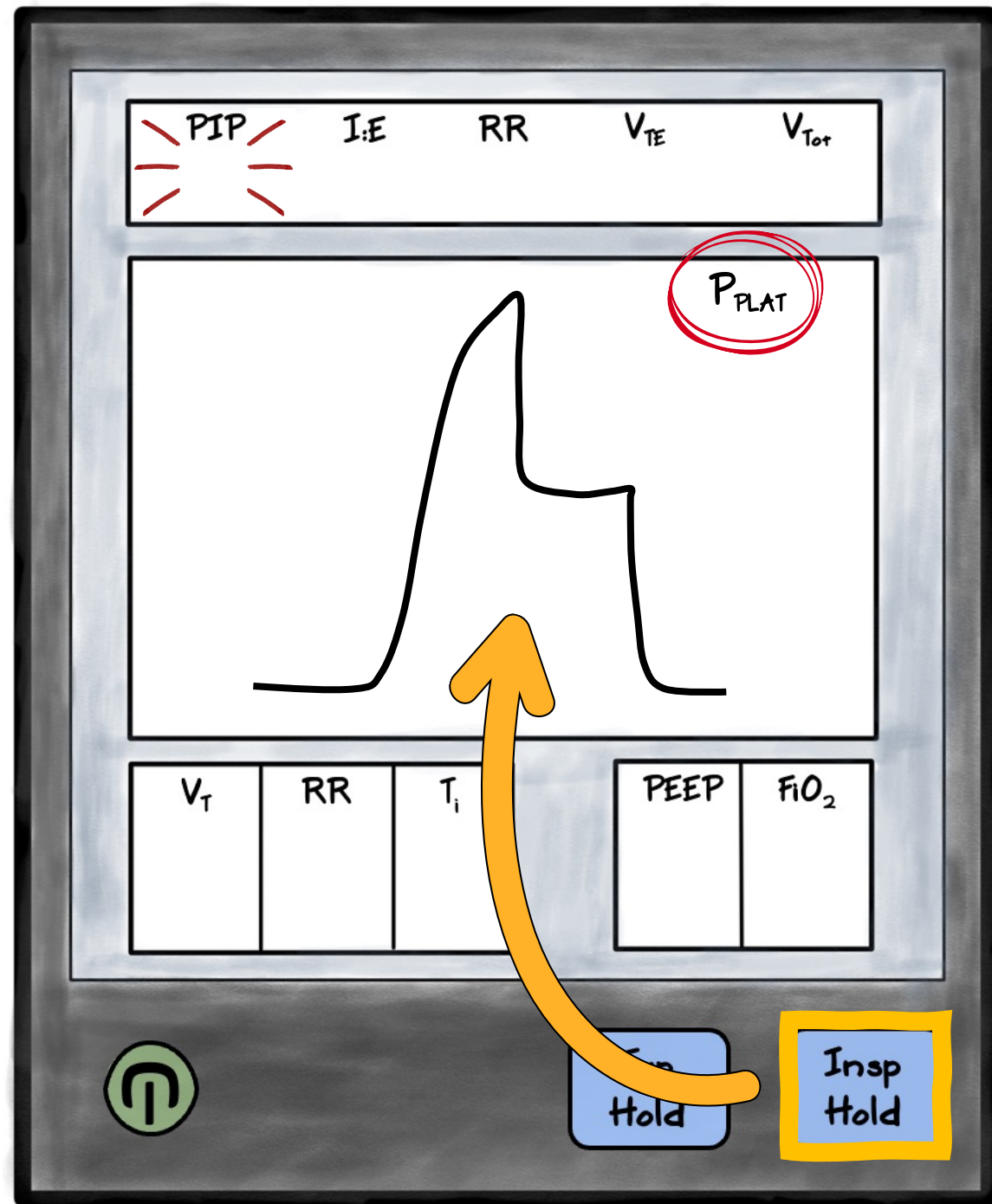
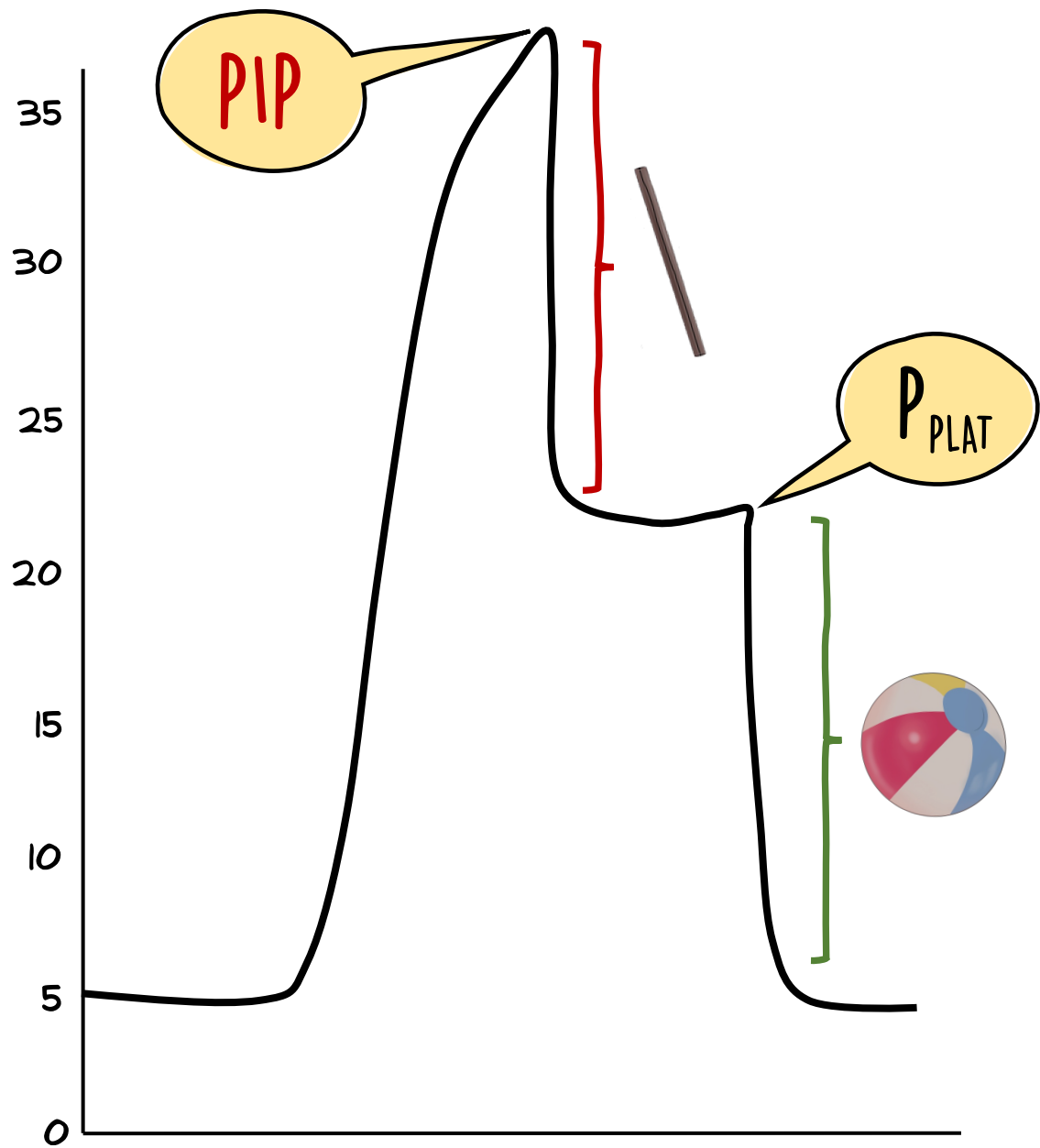
NORMAL LUNGS











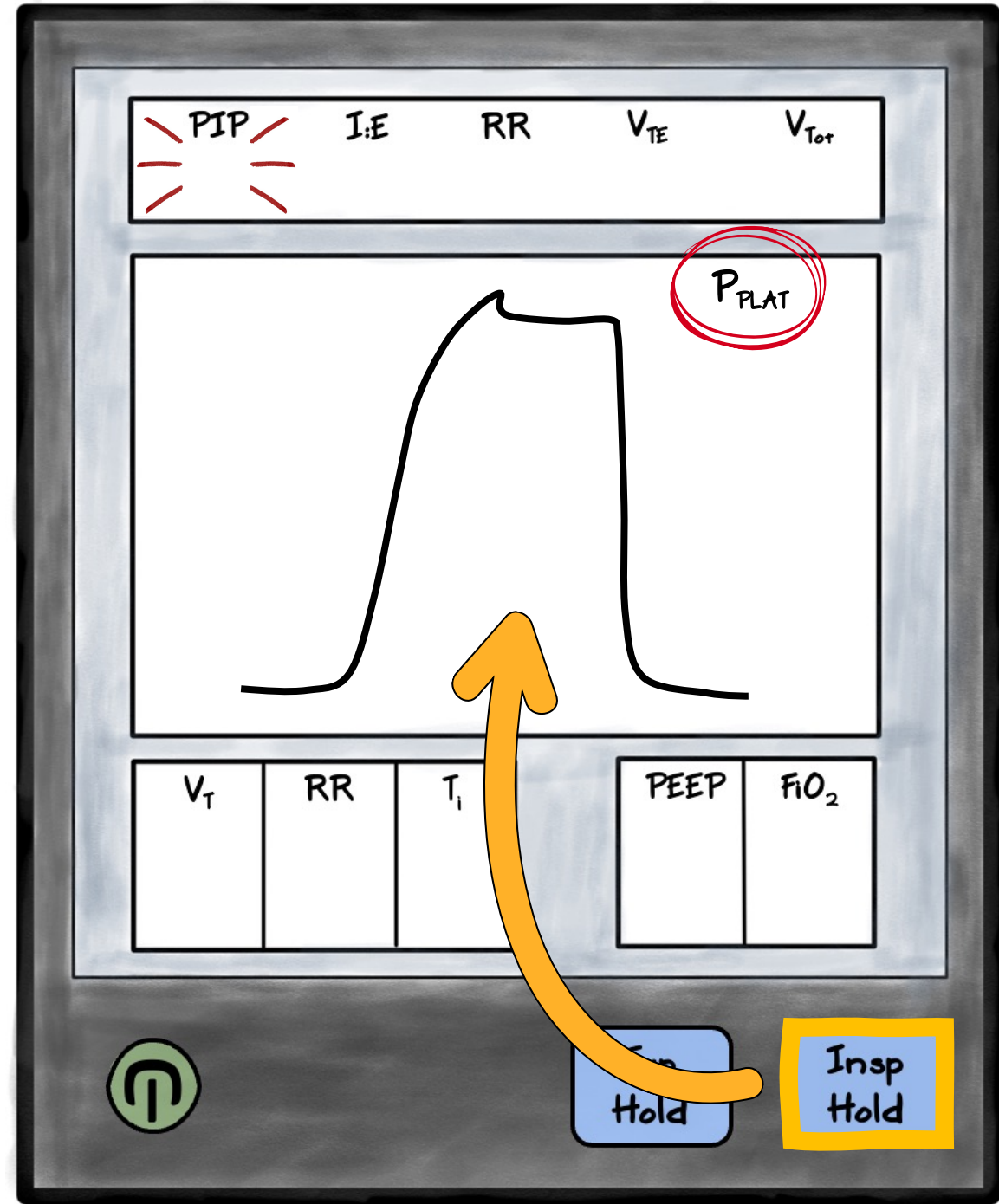
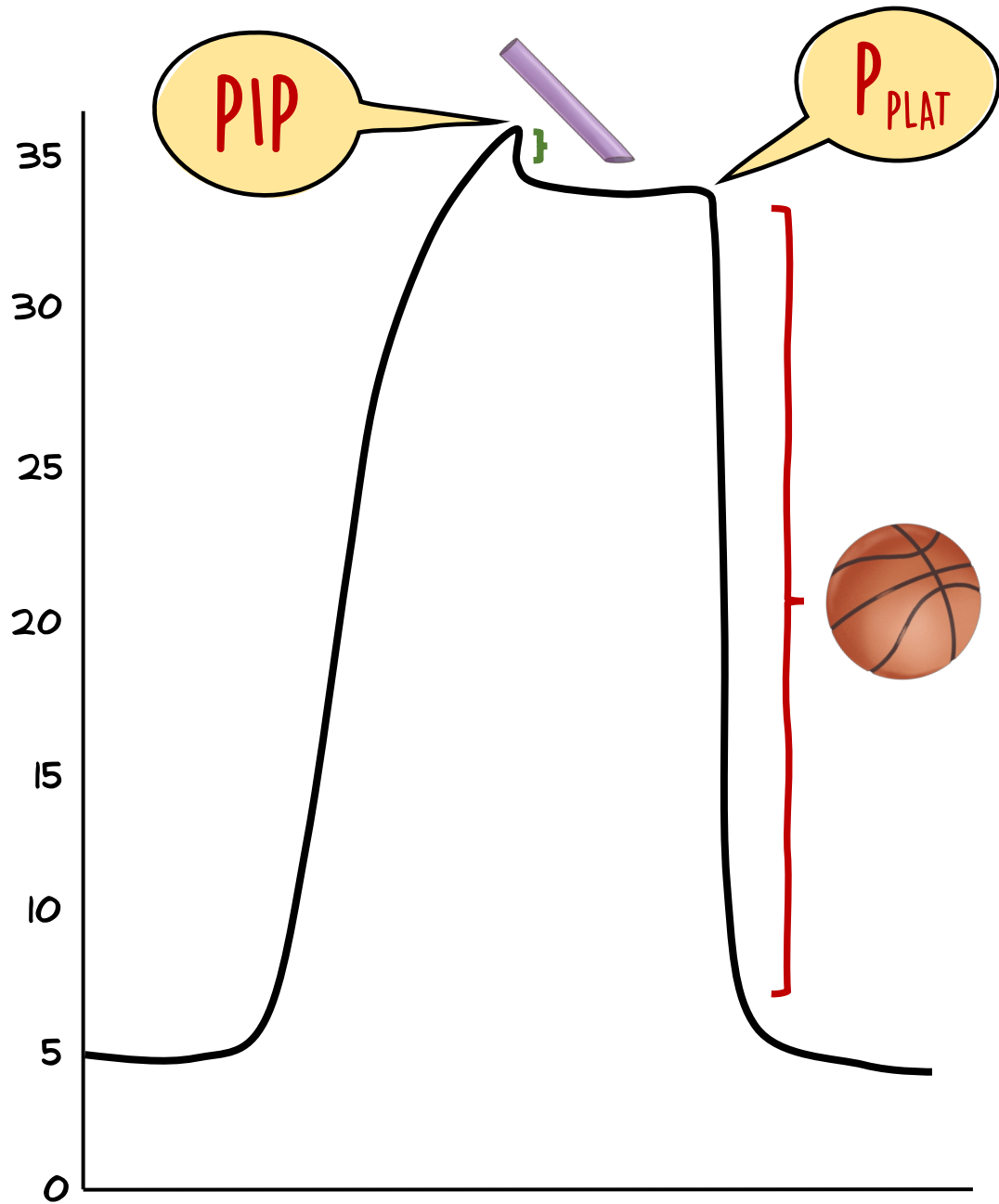
Plateau
Pressure
Low



Increased
Resistance



HIGH PEAK
PRESSURE





Plateau
Pressure
Low

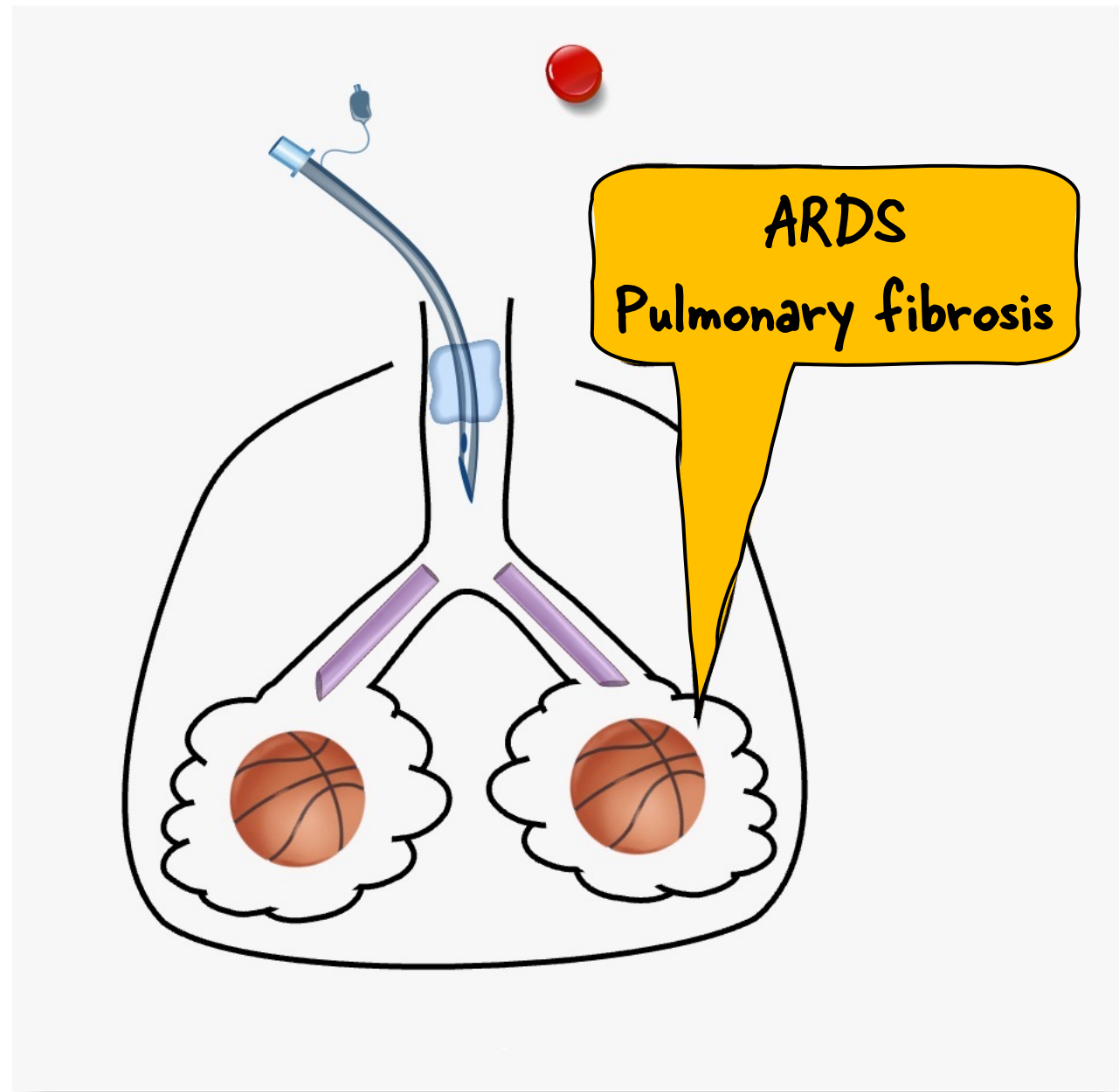
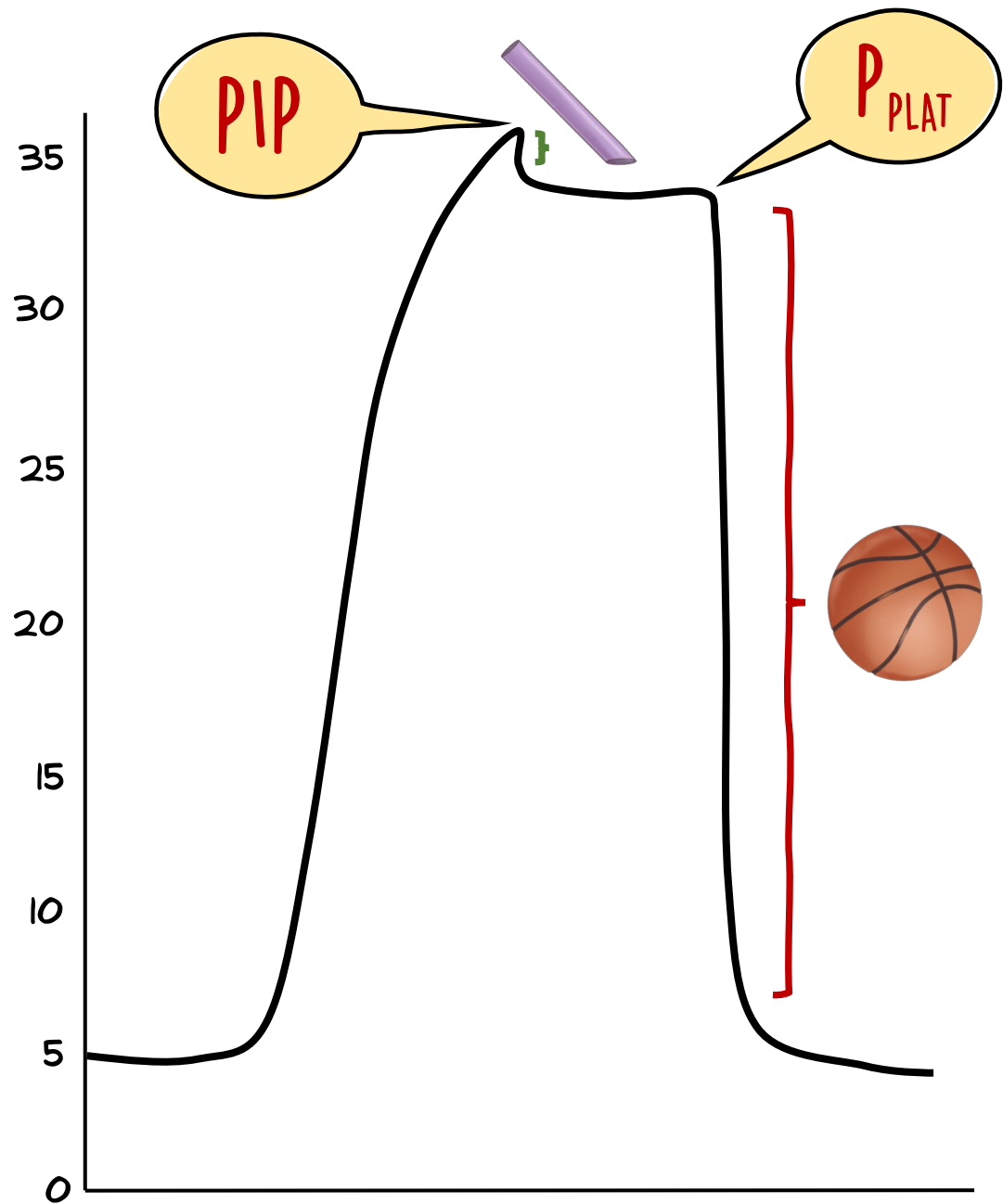


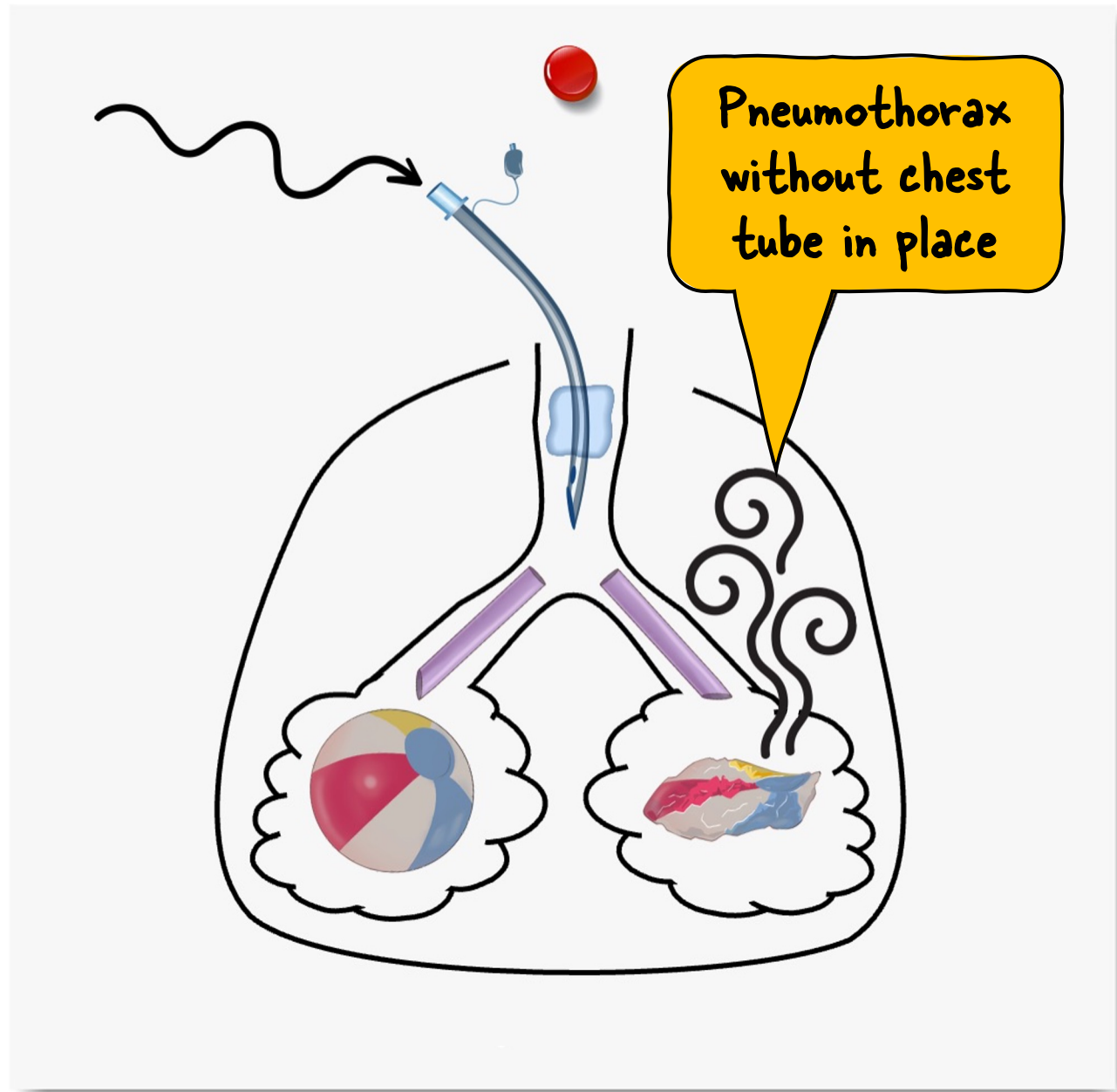
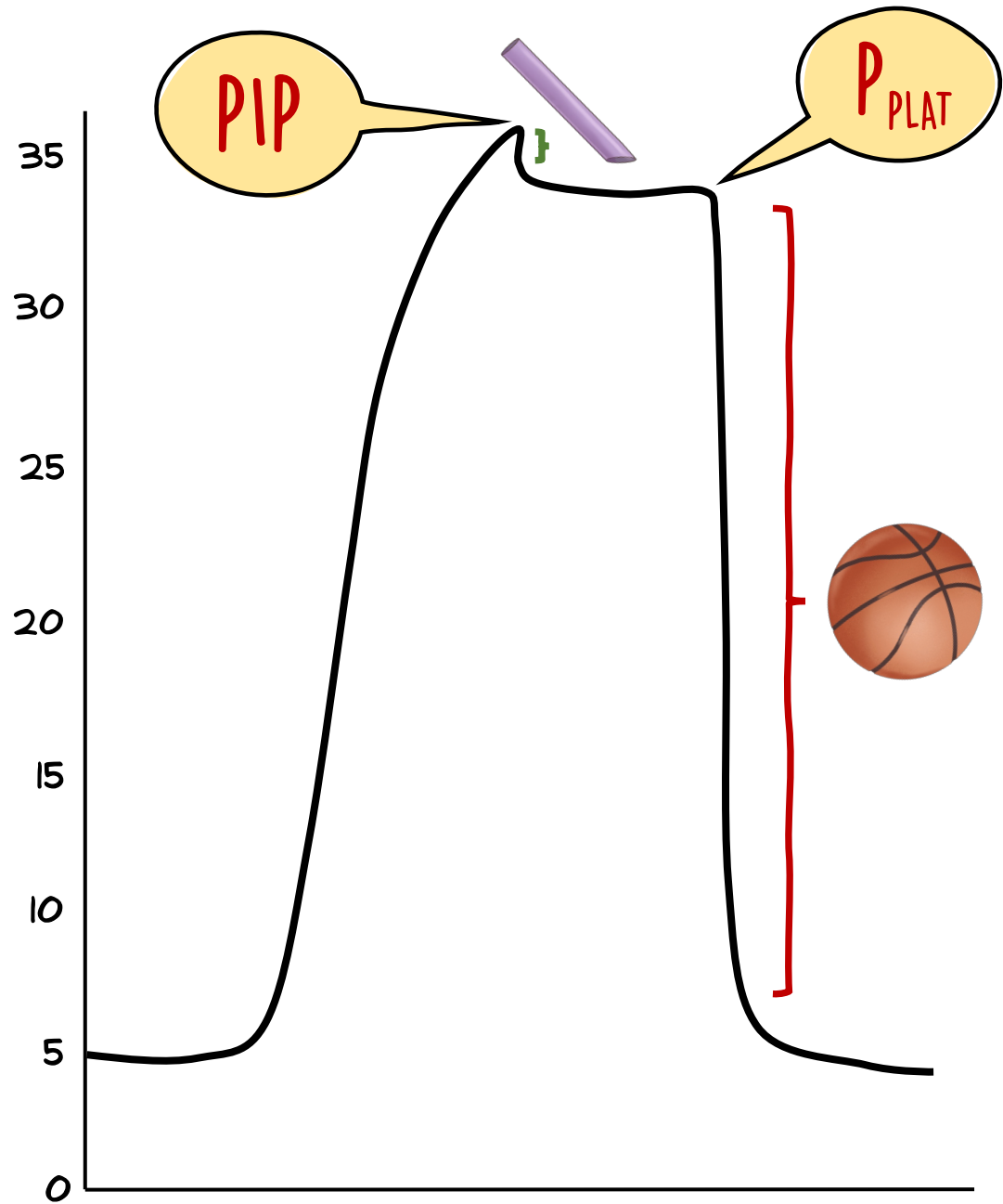
Increased
Resistance

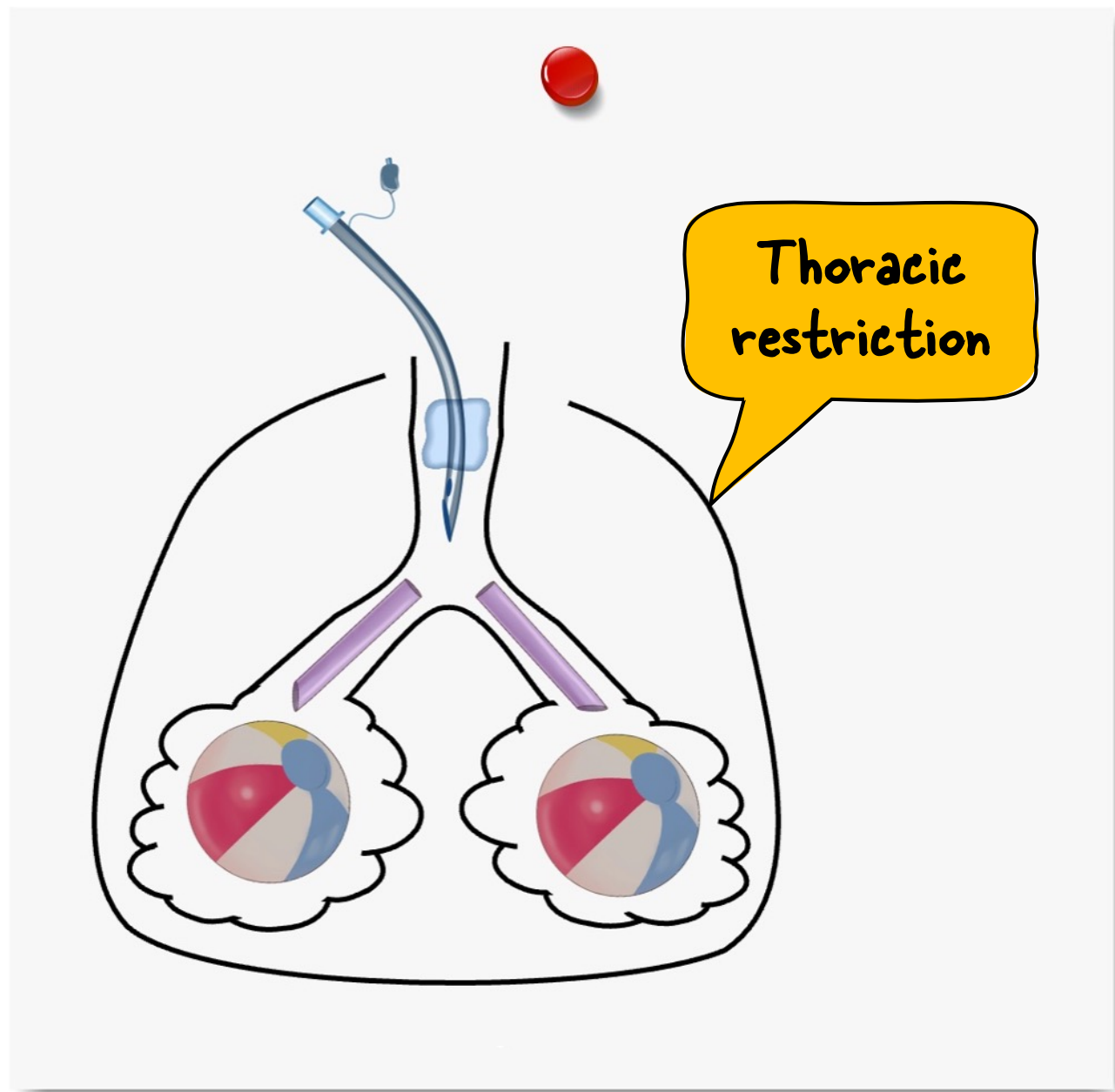
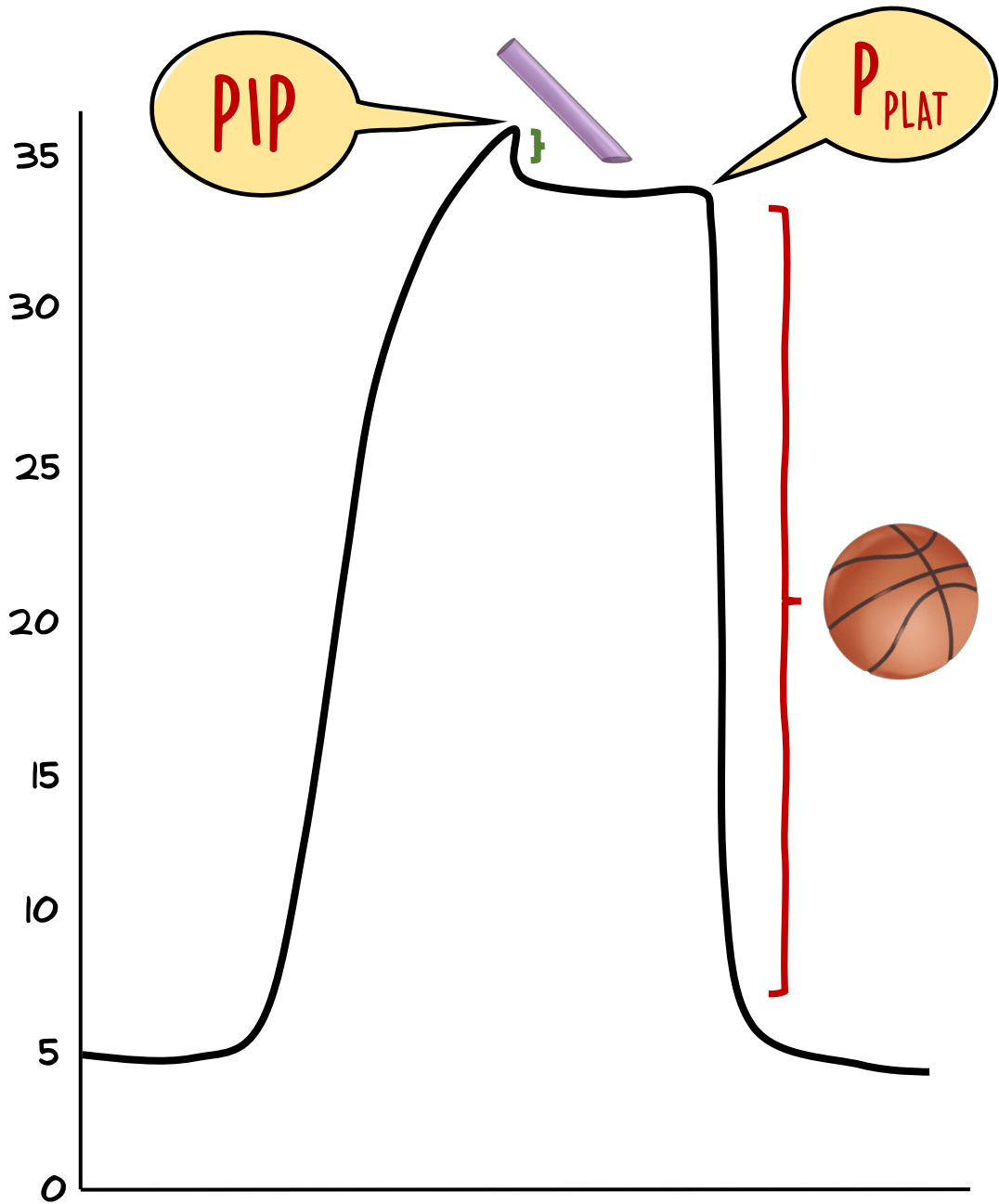
Plateau
Pressure
High

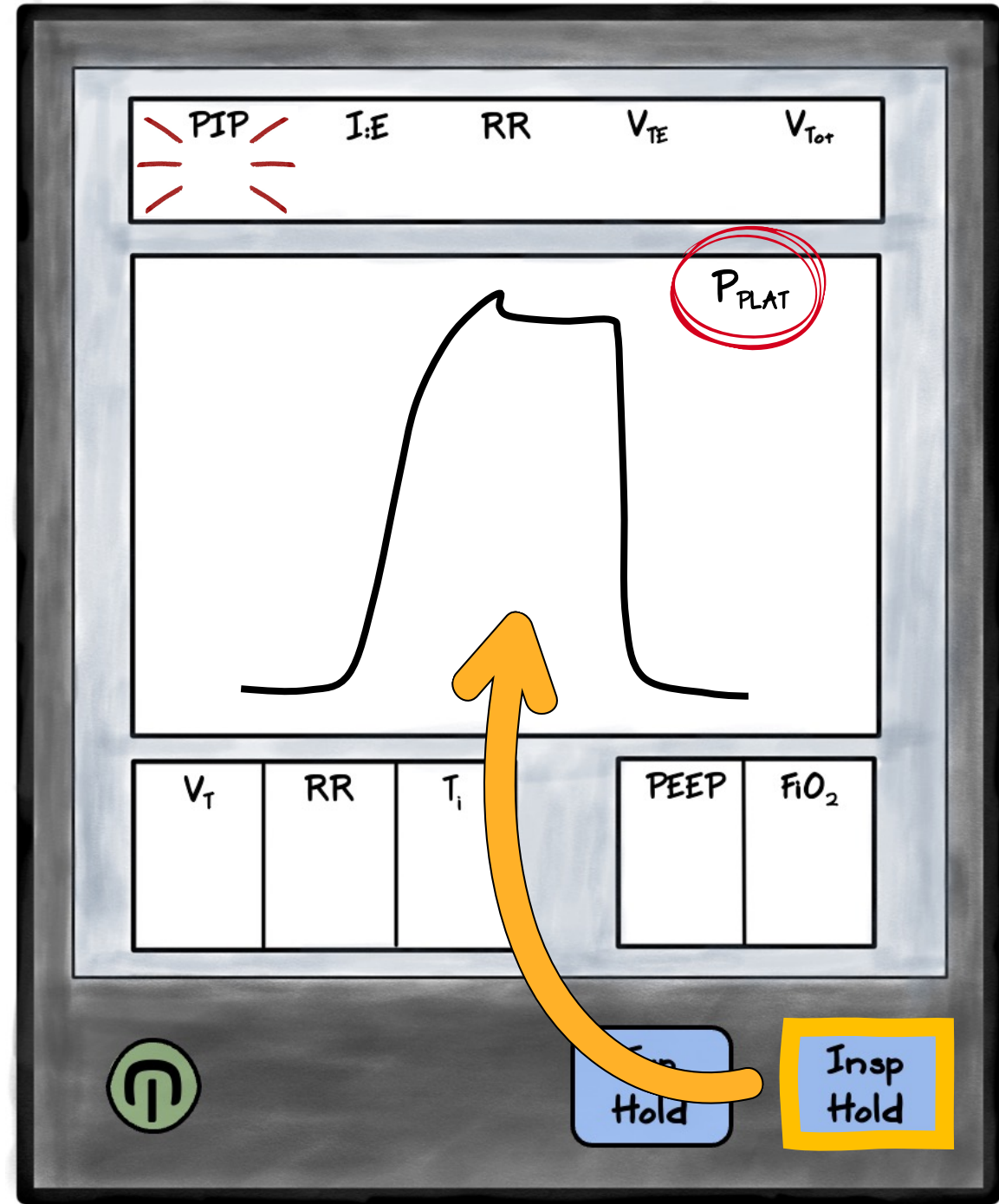
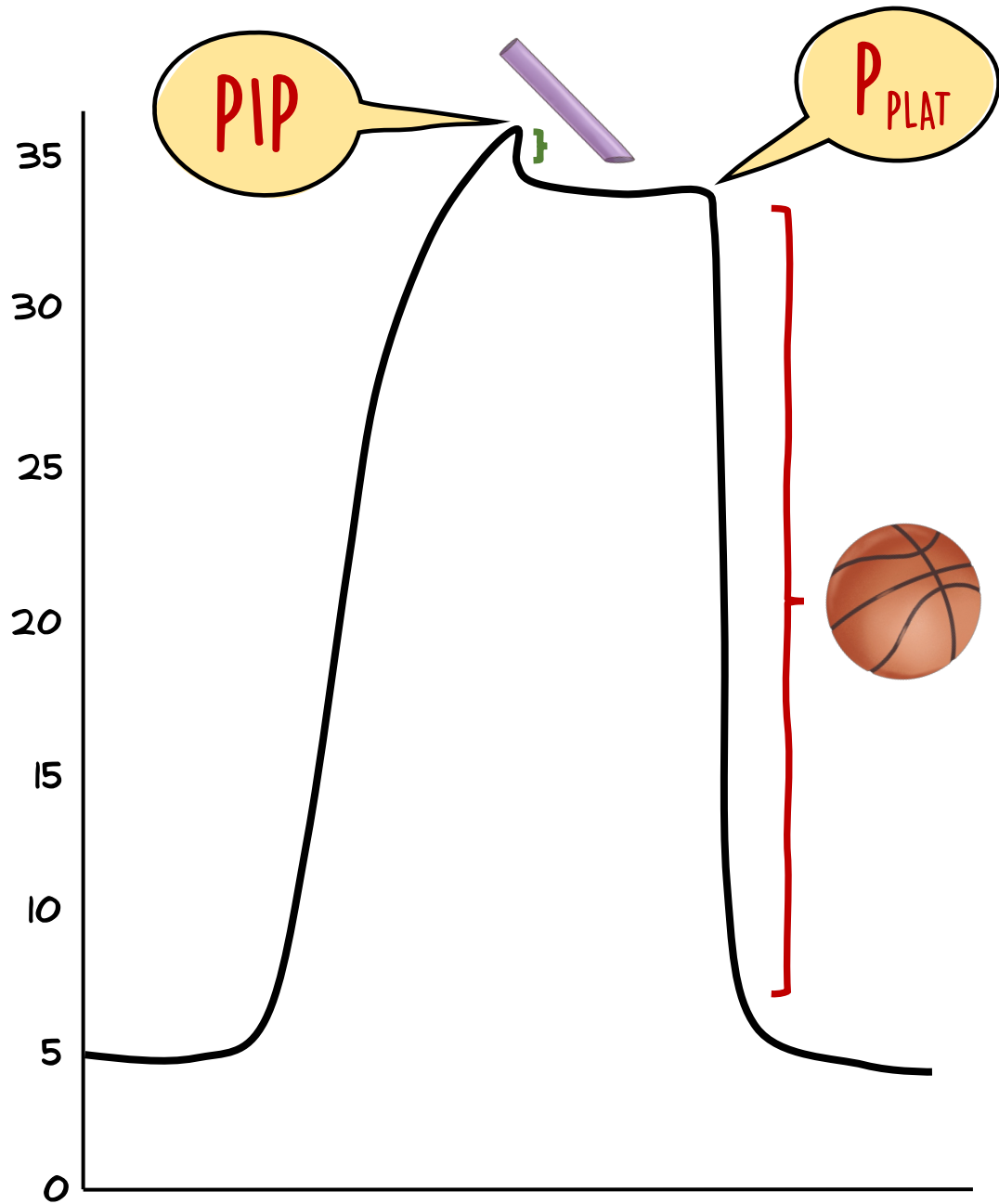


**HIGH PEAK
PRESSURE**









Plateau
Pressure
Low



Increased
Resistance

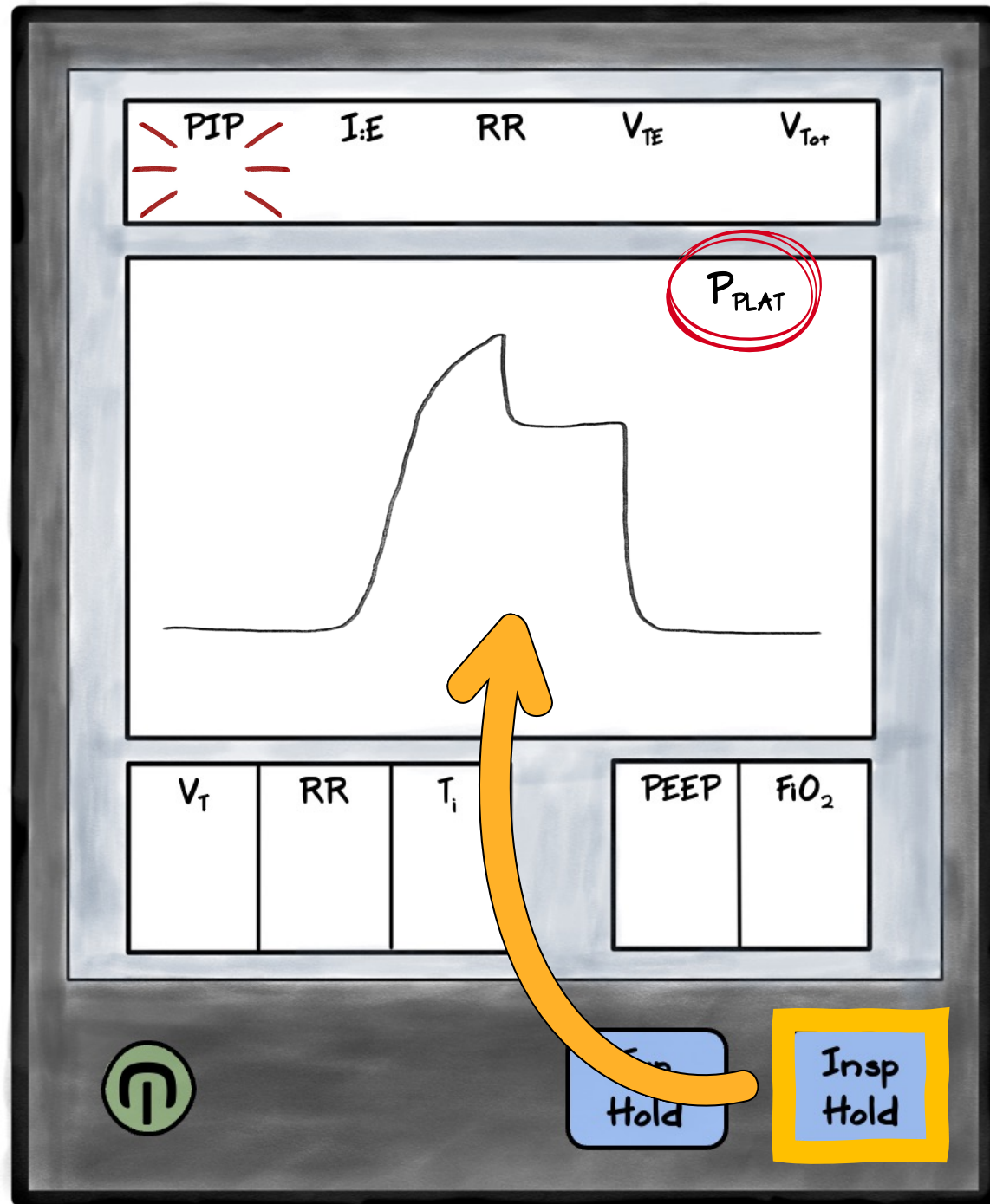
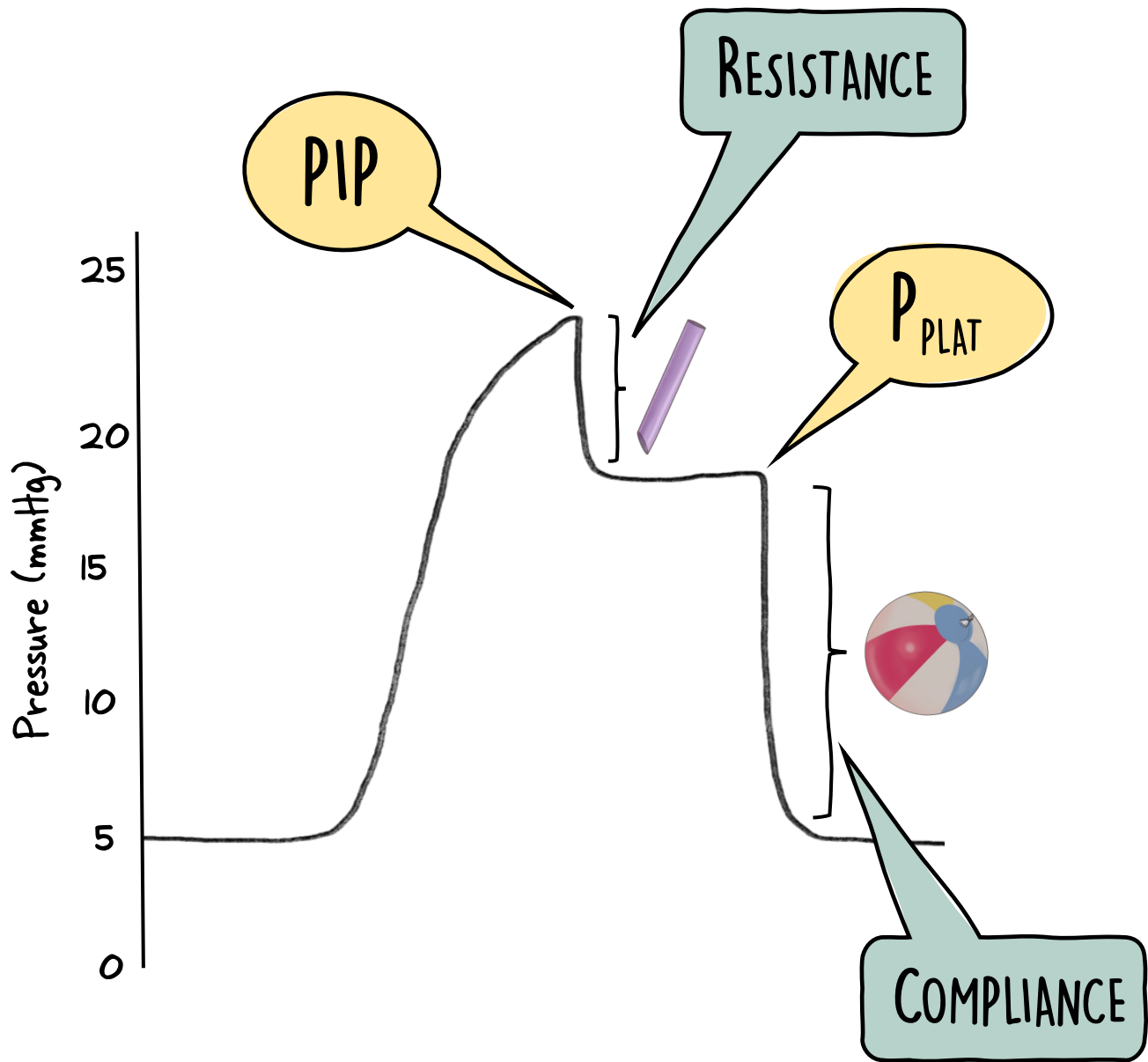
Plateau
Pressure
High



Decreased
Compliance



HIGH PEAK
PRESSURE





LOW TIDAL VOLUME

Peak
Pressure
Low



Locate
the air
leak

Peak
Pressure
High



Check the
plateau
pressure

HIGH PEAK PRESSURE

Plateau
Pressure
Low
↓
Increased
resistance



Plateau
Pressure
High
↓
Decreased
compliance

