10/11/2019	
	Assign ox#s for each atom in m:
	(b) (41)(-1) (+2) (-1) (c)
	1) Zn(s) + 2H(e(ag) -> Zn(l2(ag) + H2(g)
	was ox. was red
	Ox agent: HCI
	red agent: Zn
	(-2) $(+1)$ (-2) (0) (0) $(+1)$ (-2) $(+1)$ (-2)
	2) C2H6O(g) + O2(g) -> C2H4O2(as) + H2O(0)
	was ox was red
	OX agent: O2 red agent: C2H6O
	red agent: C2H6O

states of matter where particles are far aport: physical properties: pressure (from collisions) #mol glan tube atmospheric pressure - measured using a barometer Ather Torrielli, 1643:

air pressure & h

On a typical day a sea level h = 760 mm 1 atm = 760mmHg = 760 torr (exact) (atmosphere) SI unit of pressure = pascal (Pa) (international system) 1 Pa = 1 /m2 1 am = 101,325 Pa = 101.325 KPa = 14.7 psi Boyle's law pa/v (const n, T) VU,PT Mathematically: VTPL pV = constant for change: $PV_1 = PV_2$