2021









(Summary of Laws)

Summary of Laws

* In this rxn:

(Summary of Laws)

* Dilution:-

$$M_1V_1 = M_2V_2$$

* Volume of water add:-

volume of water add =
$$V_2 - V_2$$

* First law of Thermodynamics.

$$\Delta E_{sys} = 9_{sys} + W_{sys}$$

$$\Delta E_{sys} = \Delta E_{surr}$$

* P-V WOrk:-

* heat (9):-

moles x molar spht x
$$\Delta T = 9 = mass \times sp.ht \times \Delta T$$

(mol) $(\pi/mol.c)$ (c)

Summary of laws

* Bomb calornrimeters: "V'is constant.



(Constants)

Avogadros numbers = 6.022 x 10

"T" temprature:
$$= C + 273$$
"