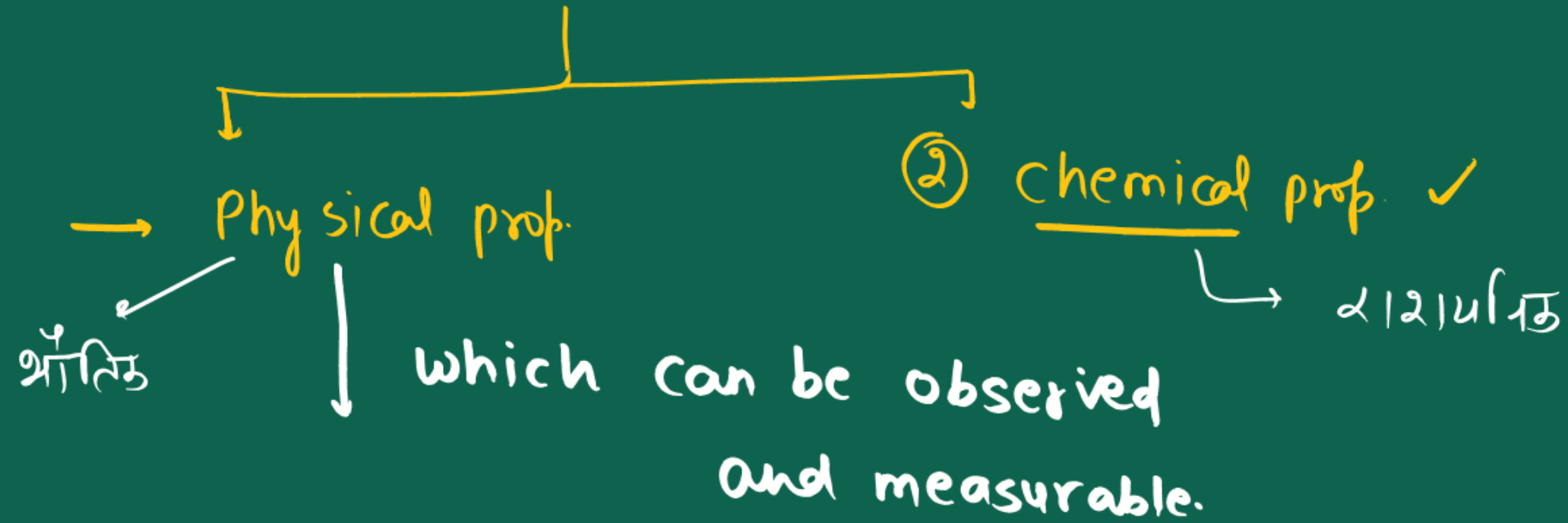


Chemistry-01

Physical and chemical change

↓
भौतिक तथा रासायनिक परिवर्तन.

Matter (पदार्थ)



Exp → colour, density, घनत्व, length, width, volume, size, shape, melting point (गलनांक) - etc

Physical properties

See

Gold is shiny



Hear

Metal is sonorous



Feel

Rubber bends



Touch

The ceramic pot is hard



Smell

Acid smells sour



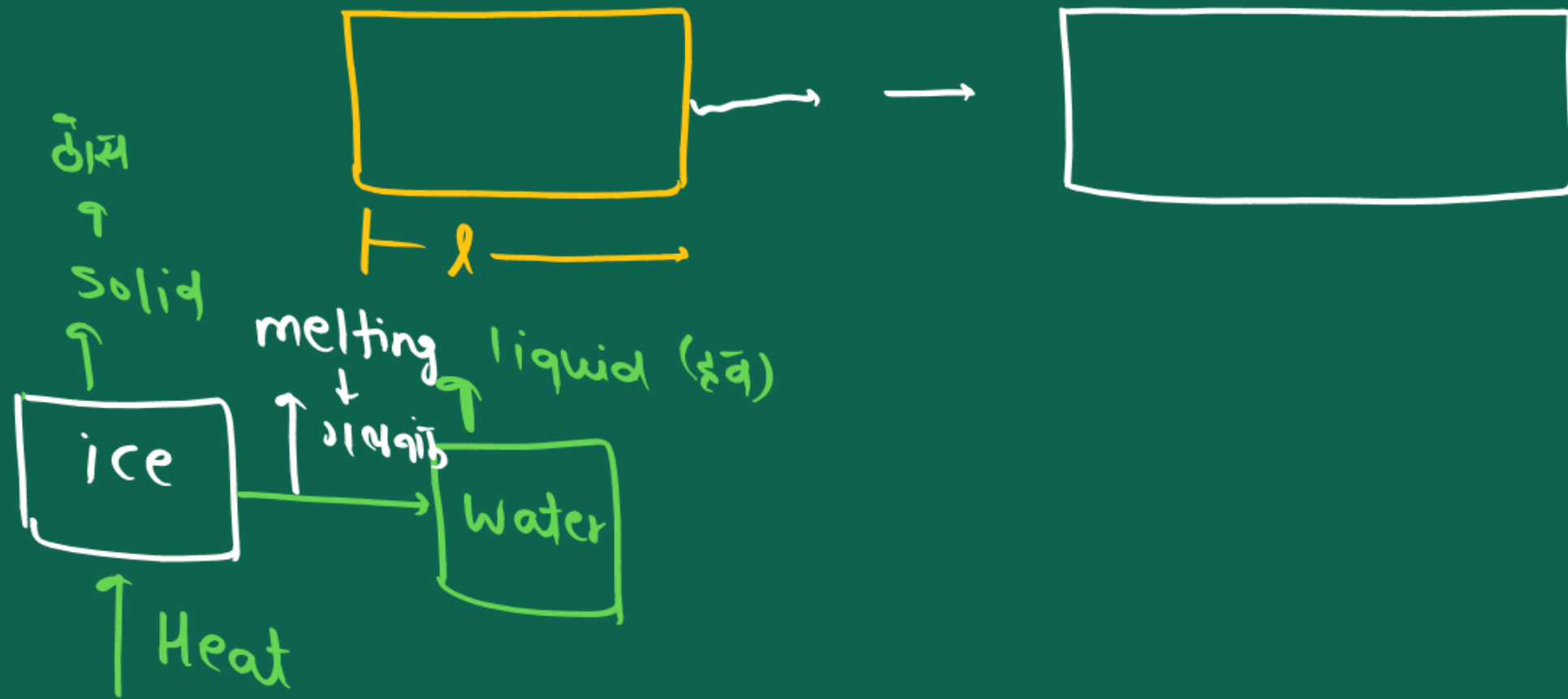
Measure

The temperature is high

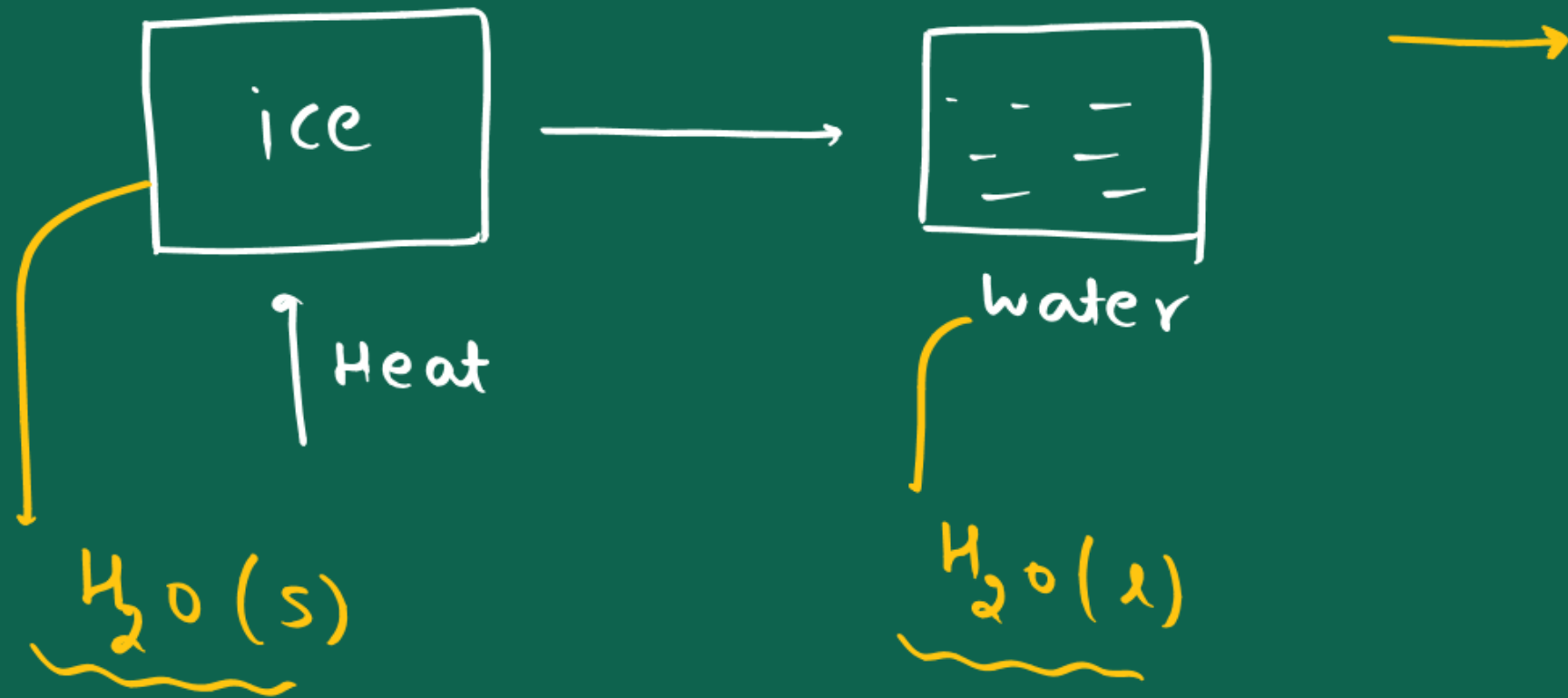


Physical change :-
भौतिक परिवर्तन

A change in physical prop. ✓

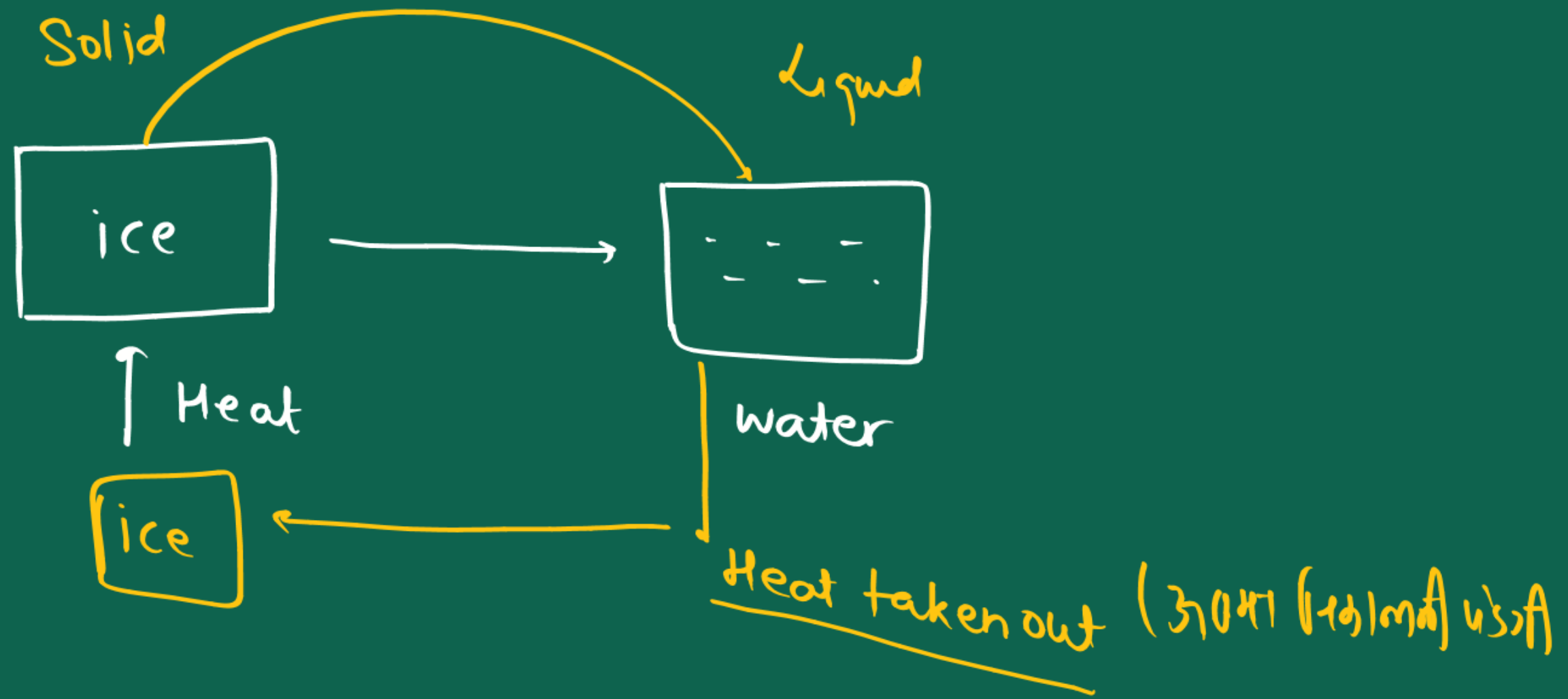


in physical change, no new substance form. [भौतिक परिवर्तन में, कोई भी नया पदार्थ नहीं बनता है]



#

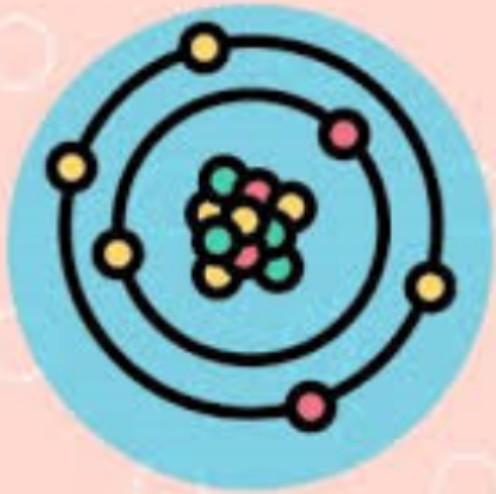
Physical change is a Reversible process (भौतिक परिवर्तन एक उलटनीय प्रक्रिया है).



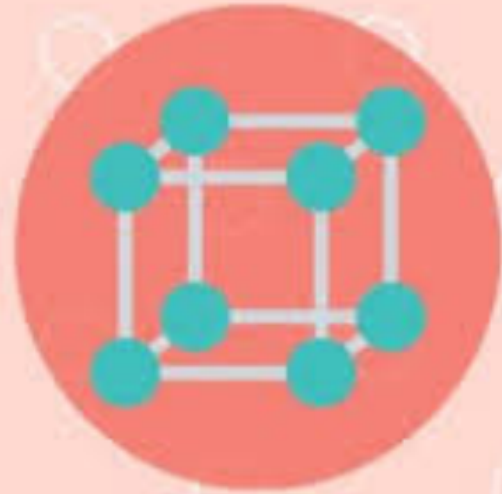
②

Chemical prop :-

Chemical Properties



Oxidation States



Chemical Bonding



Coordination Number



Heat of Combustion



Toxicity



Flammability



Corrosivity



Reactivity

ପ୍ରତିକ୍ରିୟା

→ ପ୍ରତିକ୍ରିୟା

✓ Petrol, diesel
ପ୍ରତିକ୍ରିୟା



ଫଳ

ଅପ୍ରତିକ୍ରିୟା

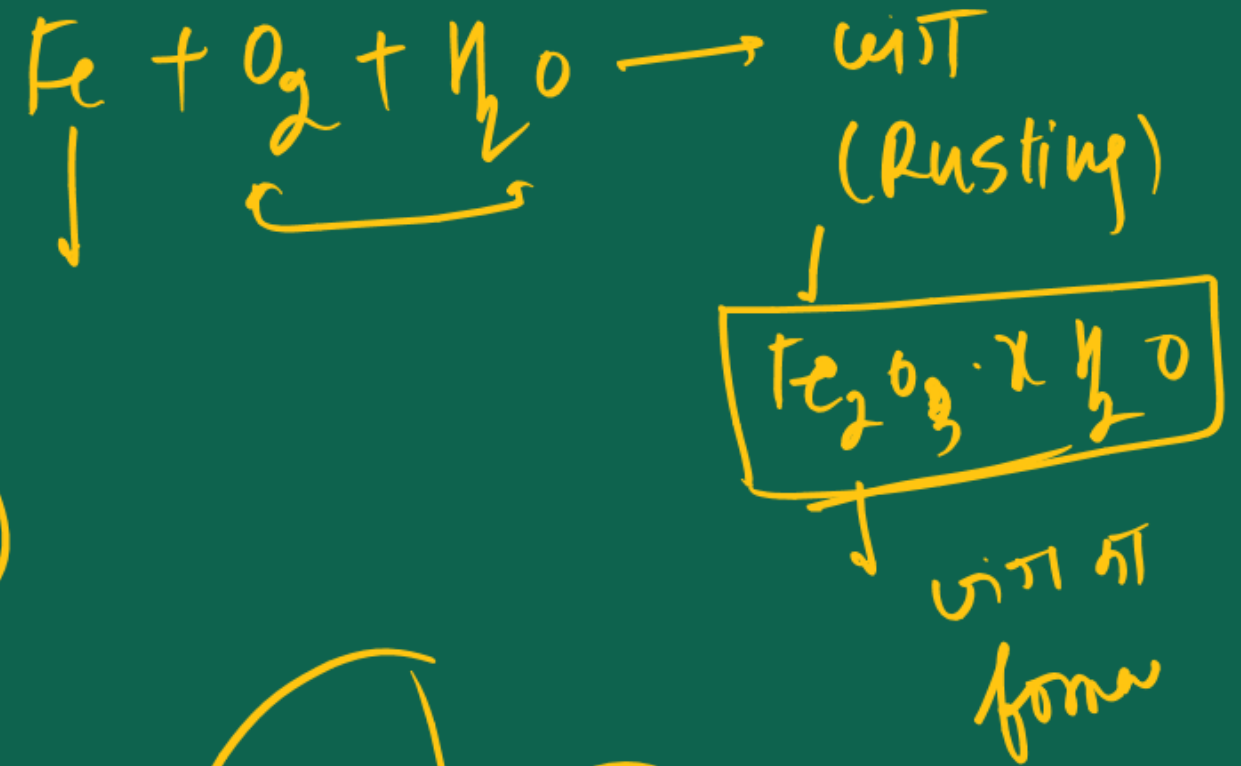
→ in a chemical change, New substance formed.

→ रासायनिक परिवर्तन में, नया पदार्थ बनता है।



→ it is not reversible process

milk + लड्डू



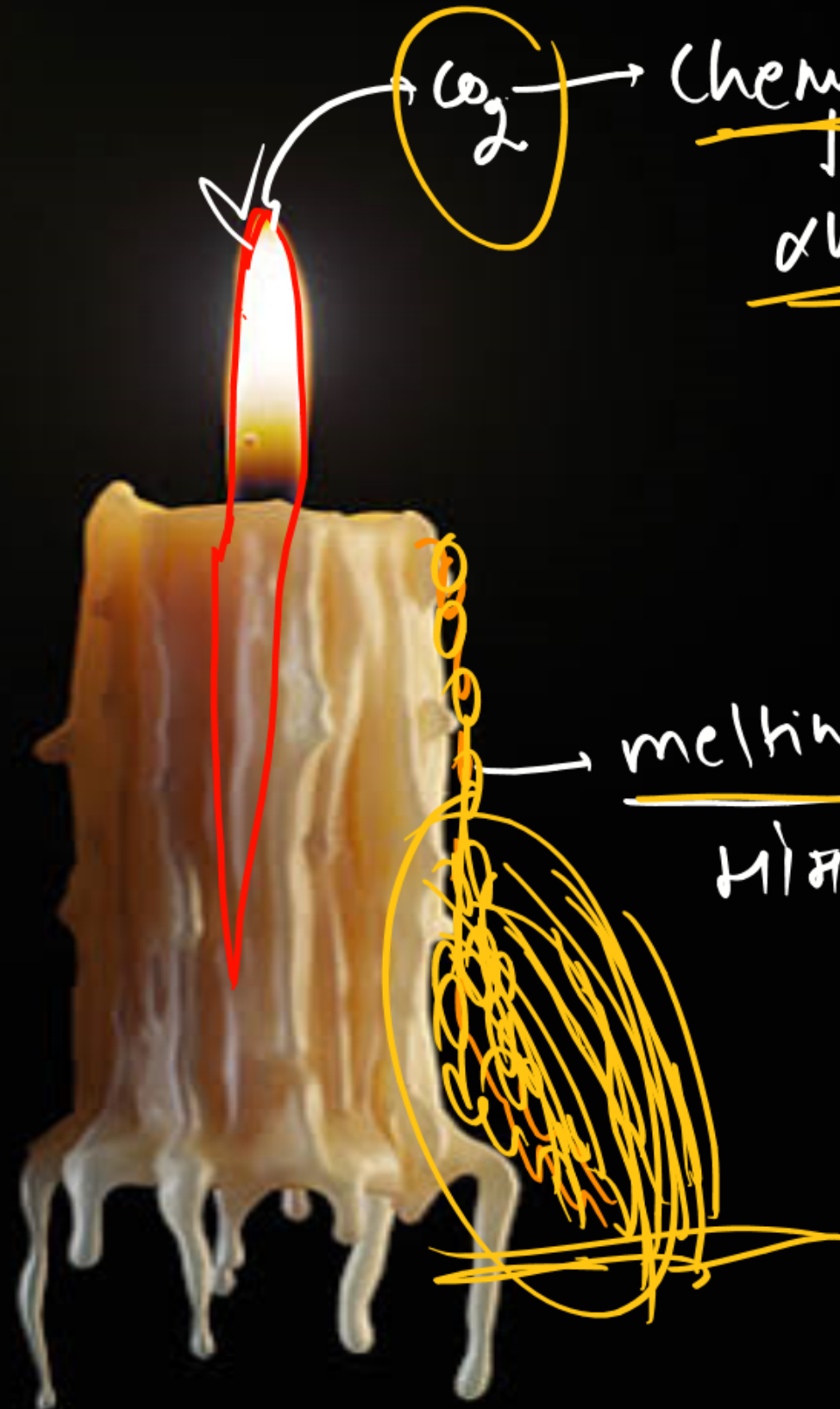
Exp.

Cooking of food ✓

Ripening of fruits (मसुरी का पकना)

Rusting of Iron (लोहे का जंग लगना)

Burning of nixarol



CO_2 → Chemical change
අකුණු වැරදි

melting of wax → physical change
නිසර්ගික වැරදි

Reversible
පුරු

අඛණ්ඩ වැරදි