

BRANCHES OF CHEMISTRY

Chemistry:

It is the branch of science that examines

★ **the materials of the universe**
and

★ **the changes that these**
materials undergo



Branches of Chemistry:

- The study of chemistry is mainly divided into eight major branches.



1) Physical Chemistry:

- It is the branch of chemistry

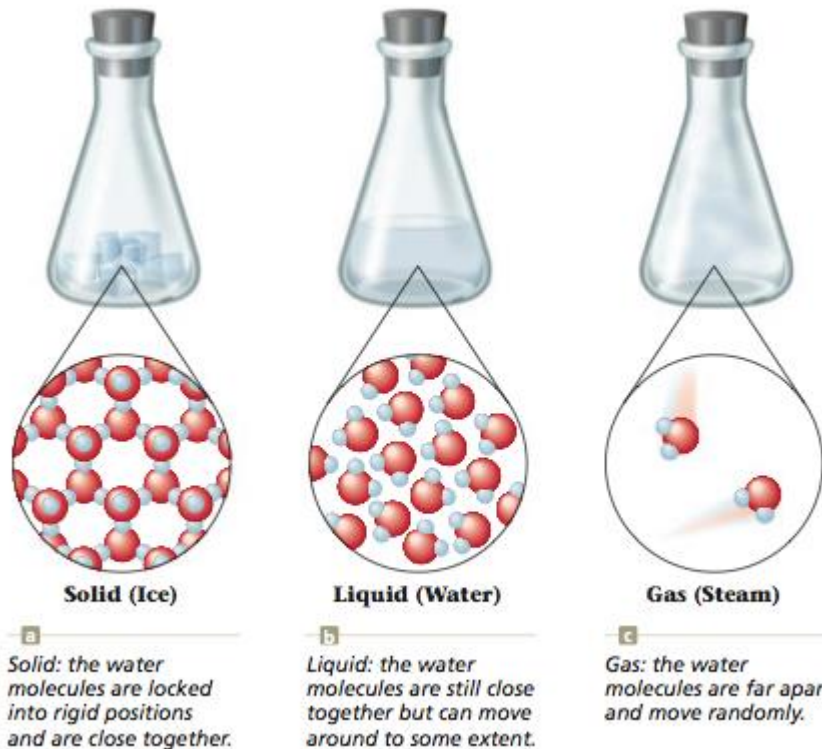
that deals with

★ laws and theories

to understand

★ Structure and

★ Changes of matter.



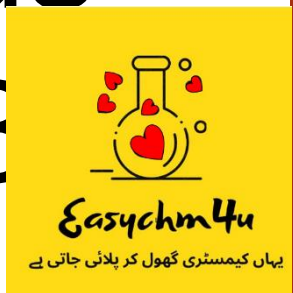
2) Organic Chemistry:

- It is the branch of chemistry that deals with the

★ **substances containing carbon.**

Note: Some carbon compounds such as CO_2 , CO , CO_3^{2-} , HCO_3^- are studied in **inorganic**

chemistry because of their



3) Inorganic Chemistry:

- It is the branch of chemistry that deals with the

- ★ **elements and their compounds**

except

- ★ **organic compounds.**



4) Biochemistry:

- It is the branch of chemistry that deals with the

- ★ **physical and chemical changes**

that occur in

- ★ **living organisms.**



5) Industrial Chemistry:

- It is the branch of chemistry that deals with the

- ★ methods and use of technology

in the large scale of

- ★ useful substances.

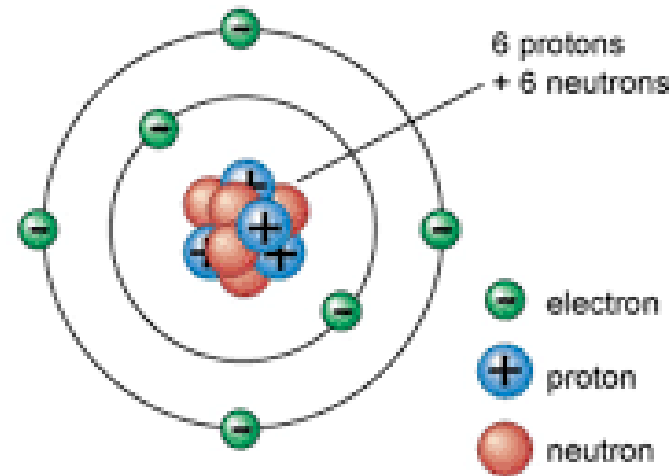


6) Nuclear Chemistry:

• It is the branch of chemistry that deals w

★ **Changes**
that occur in
★ **atomic nuc**

Draw a Diagram of an Atom



7) Environmental

Chemistry:

It is the branch of chemistry that deals with the

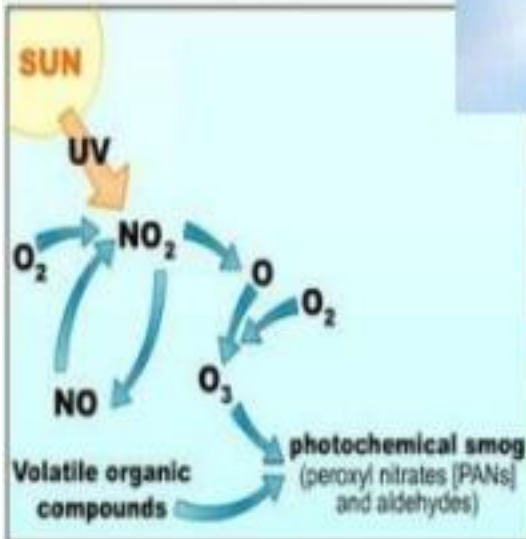
★ **chemicals and toxic substances** that pollute the environment and

★ **their adverse effects on human beings**

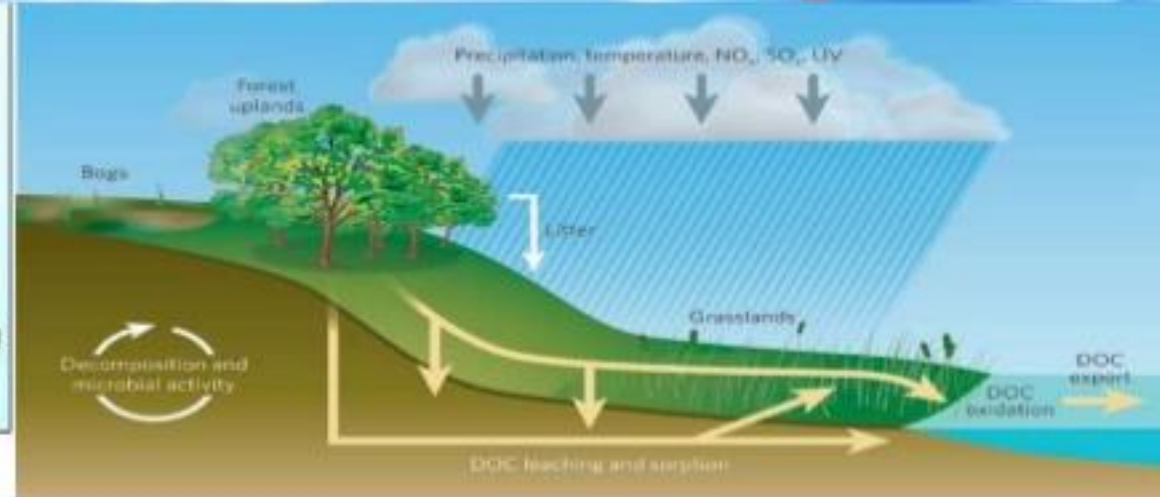




environmental chemistry



FORMATION OF PHOTOCHEMICAL SMOG



8) Analytical Chemistry:

- It is the branch of chemistry that deals with the

- ★ **methods and**
- for determining
- ★ **composition**



Exam Questions:



- Difference between any two branches of chemistry.
- Objective **2018 Supplementary**

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

- (i) Some Carbon compounds such as CO_2 , CO , Carbonates and Hydrogen Carbonates are studied in branch of Chemistry called:
- A. Organic Chemistry
B. Inorganic Chemistry
C. Industrial Chemistry
D. Biochemistry



Thank you for watching!

