The Practise Ground

Class 11-12 Chemistry

Organic Functional Groups

Spot the group, name the compound

1

–OH

Alcohol (suffix -ol)
Ethanol: CH_3CH_2OH

2

–CHO

Aldehyde (suffix -al)
Ethanal: CH_3CHO

3

>C=O

Ketone (suffix -one)
Propanone: CH_3COCH_3

4

–COOH

Carboxylic acid (suffix -oic acid)
Ethanoic acid: CH_3COOH

Other groups

Amine: $–NH_2$, as in methanamine CH_3NH_2.

Ester: –COO–, as in ethyl ethanoate.

Halide: –X, as in chloromethane CH_3Cl.

Why it matters

The functional group decides how a compound reacts.

Alcohols and carboxylic acids form esters.

Aldehydes oxidise easily to carboxylic acids.

Think you've got it? Test yourself.

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