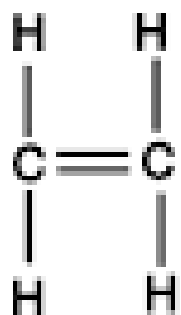
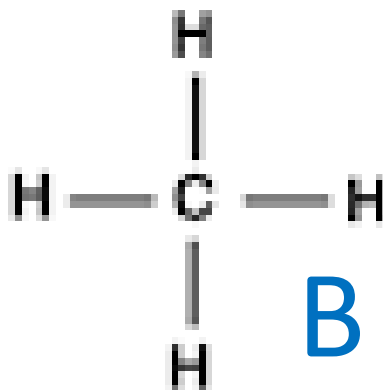


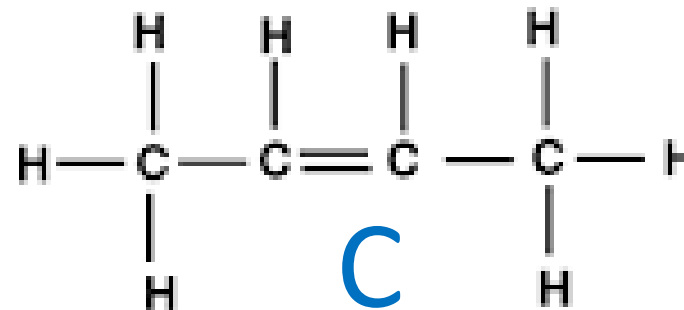
Can you identify each molecule below?



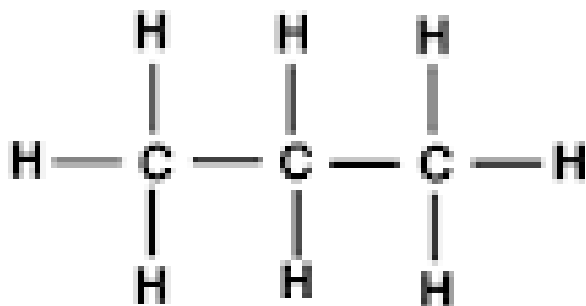
A



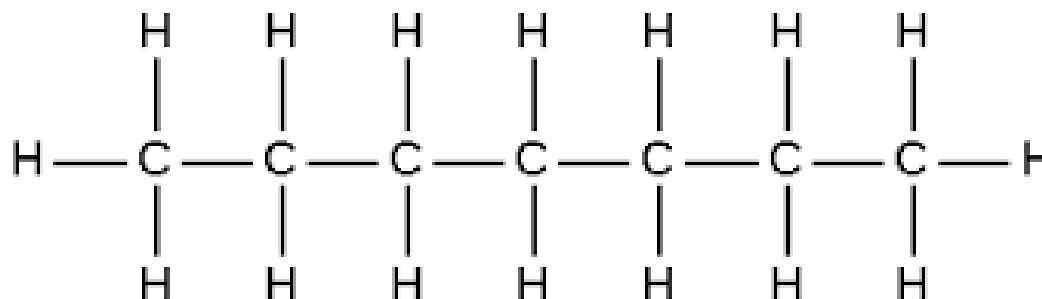
B



C

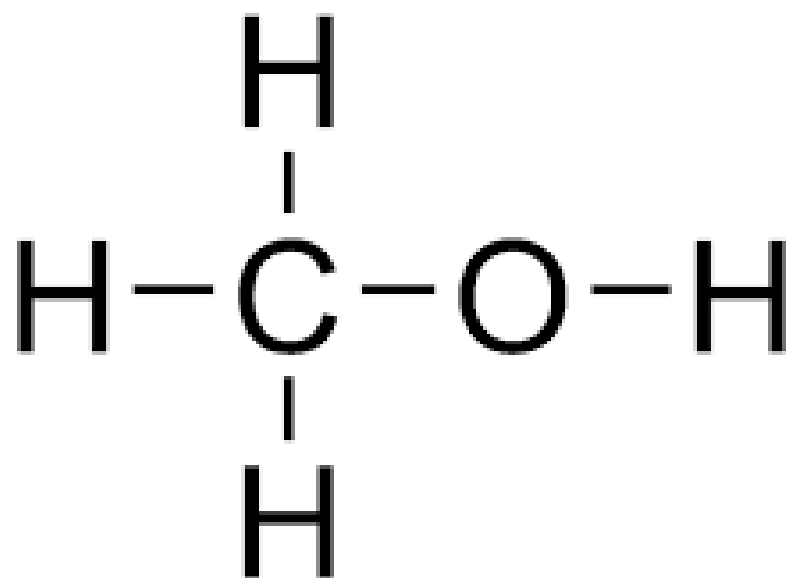


E



D

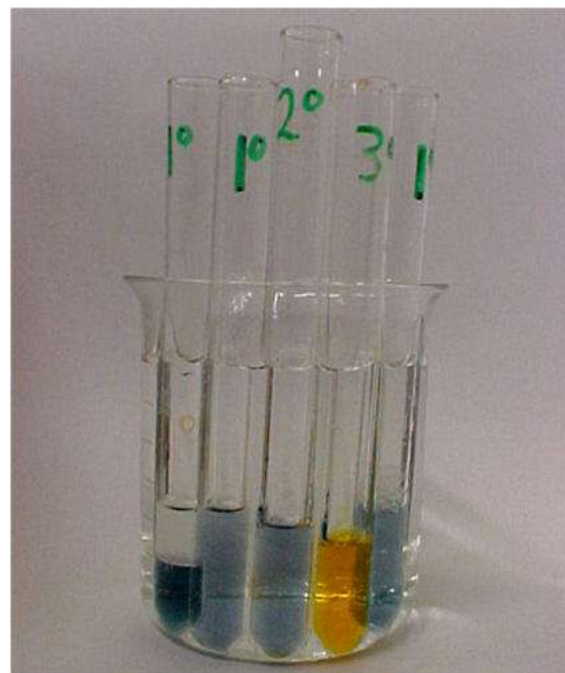
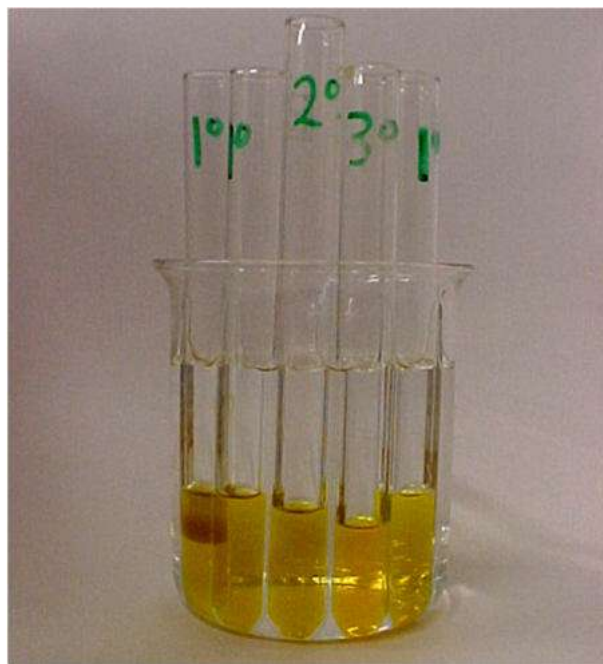
So....what is an alcohol then??



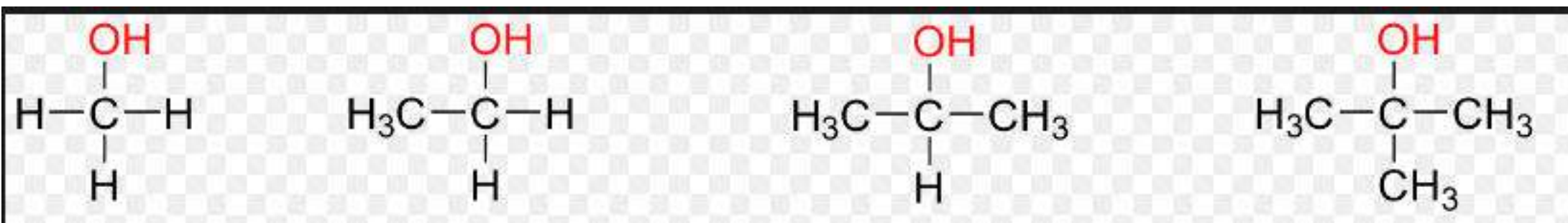
Contain the OH functional group, also known as the hydroxyl group

Experiment

'Oxidation with acidified potassium dichromate'

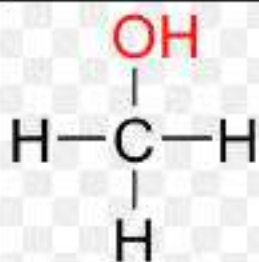


3 main types...

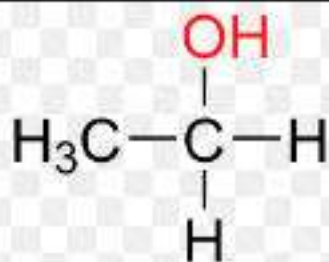


What's the difference?

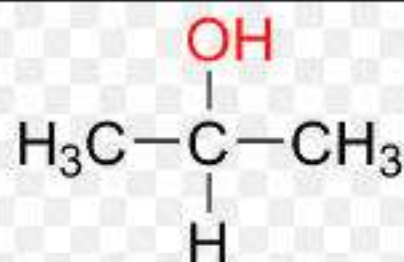
3 main types...



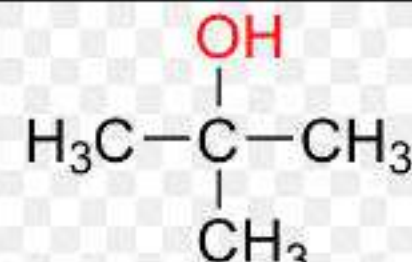
methanol



a primary alcohol



a secondary alcohol



a tertiary alcohol

What's the difference?

Task

- Use the moly mods to make the alcohol on your card
- Go around the room and look at the other alcohol models that have been made
- Can you identify them as either primary, secondary or tertiary?

Experimental results

- Look at the alcohols you oxidised at the beginning of the lesson
- Which ones have changed colour?
- Can you identify them as primary, secondary or tertiary?
- Why do you think this happens?

Oxidation of alcohols

