



AS PRACTICAL 13

Testing for alcohols, aldehydes and ketones (Grid)

		other	1	2a	2b	2c	2d	3a	3b	4a	4b	5a	5b
Safety	Worked safely												
Instructions	Followed instructions												
Recording	Results clearly shown												
	Good quality table used for results												
	Type of compounds shown in main table												
	Full observations given												
Results	Correctly identified: A = secondary alcohol												
	B = tertiary alcohol												
	C = primary alcohol												
	D = ketone												
	E = aldehyde												

	Good evidence	Working towards	Description
1			Correctly follows instructions to carry out the experimental techniques or procedures.
2a			Correctly uses appropriate instrumentation, apparatus and materials (including ICT) to carry out investigative activities, experimental techniques and procedures with minimal assistance or prompting.
2b			Carries out techniques or procedures methodically, in sequence and in combination, identifying practical issues and making adjustments when necessary.
2c			Identifies and controls significant quantitative variables where applicable, and plans approaches to take account of variables that cannot readily be controlled.
2d			Selects appropriate equipment and measurement strategies in order to ensure suitably accurate results.
3a			Identifies hazards and assesses risks associated with these hazards when carrying out experimental techniques and procedures in the lab or field.
3b			Uses appropriate safety equipment and approaches to minimise risks with minimal prompting.
4a			Makes accurate observations relevant to the experimental or investigative procedure.
4b			Obtains accurate, precise and sufficient data for experimental and investigative procedures and records this methodically using appropriate units and conventions.
5a			Uses appropriate software and/or tools to process data, carry out research and report findings.
5b			Sources of information are cited demonstrating that research has taken place, supporting planning and conclusions.