مختبرات قسم الهندسة الكيمياوية

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| **مختبر الكيمياء العضوية** **Organic Chemistry Lab** |
| Melting point | 1 |
| Mixed Melting point | 2 |
| Crystallization | 3 |
| Re-Crystallization | 4 |
| Preparation of Aspirin | 5 |
| Boiling point-Criteria of purity of liquids | 6 |
| Simple Distillation | 7 |
| Fractional Distillation | 8 |
| Stem distillation | 9 |
| Preparation of Acetic Acid | 10 |
| Preparation of Cyclohexene | 11 |
| Preparation of Cyclohexanone | 12 |

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| **مختبر الهندسة الكيمياوية 1** **Chem. Eng. lab 1** |
| Liquid Diffusion | 1 |
| Liquid- Liquid Extraction | 2 |
| Leaching | 3 |
| Cooling Tower | 4 |
| Crystallization | 5 |
| Esterification | 6 |
| Distillation | 7 |
| Furnace | 8 |
| Oven | 9 |
| Double pipe heat exchanger | 10 |
| Diffusion | 11 |

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| مختبر الهندسة الكيمياوية 2 **Chem. Eng. lab 2** |
| Filtration – Plate and Filter Press | 1 |
| Packed Bed Adsorption Column | 2 |
| Screen Analysis | 3 |
| Draying | 4 |
| Fluidization | 5 |
| sedimentation | 6 |

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| مختبر السيطرة **Control Lab** |
| Response of thermometer | 1 |
| Control Valve | 2 |
| Stirred tank in series | 3 |
| Control of heating vessel | 4 |

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| مختبر الدراسات العليا  **graduated lab** |
| UV- Spectrophotometer | 1 |
| pH Meter | 2 |
| Rotary Evaporator | 3 |
| Mill | 4 |
| GC , Gas Chromatography | 5 |
| Atomic Adsorption | 6 |
| Gas Analyzer | 7 |
| Conductivity Meter | 8 |
| Distilled Water | 9 |
| Hydraulic Mixer | 10 |
| COD | 11 |
| Chiller | 12 |
| Furnace | 13 |