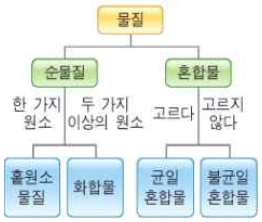
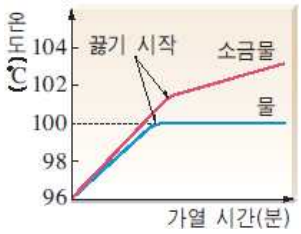
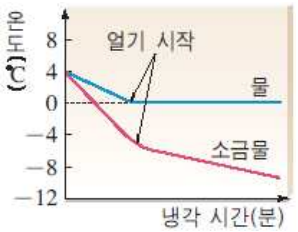
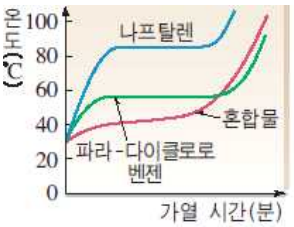
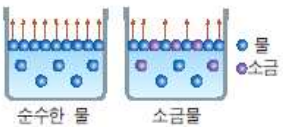
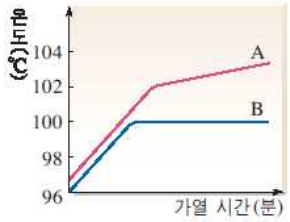
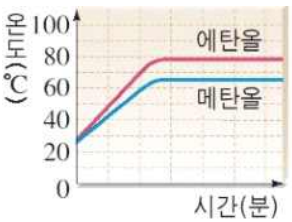
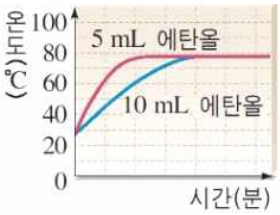
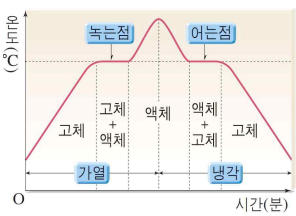
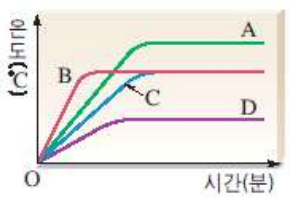
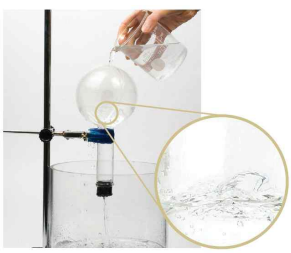
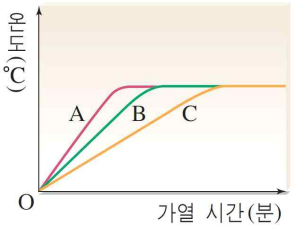
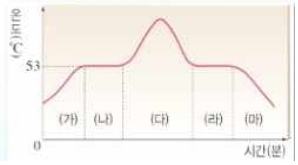
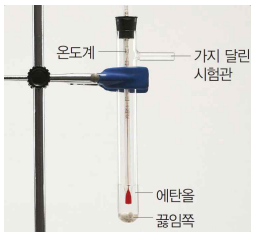
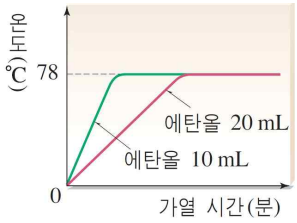
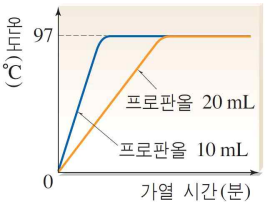
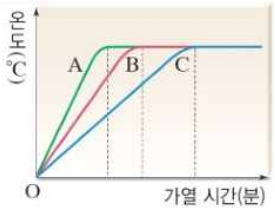
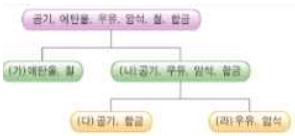
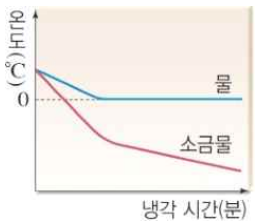
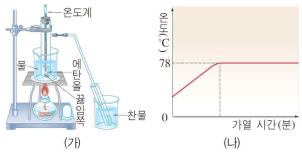
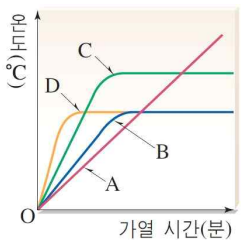
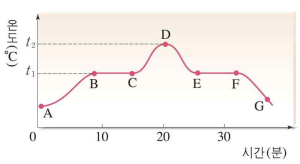
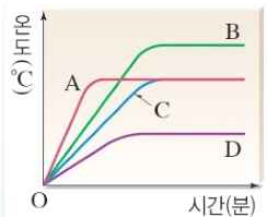
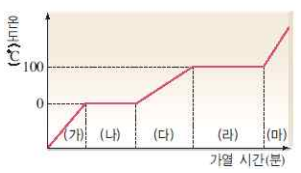
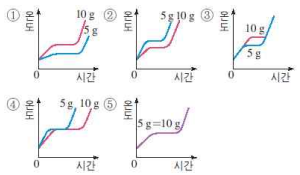
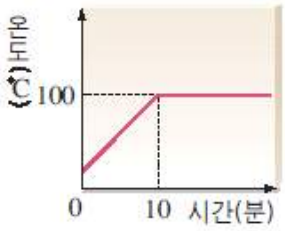
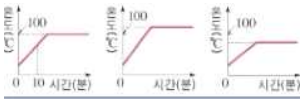
오투 중등과학 ②-2 교사용 CD 그림 자료 목록

V 물질의 특성

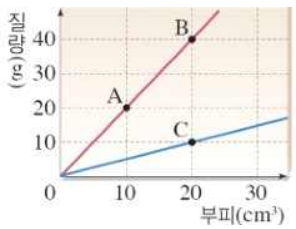
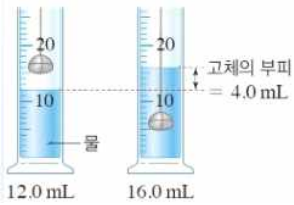
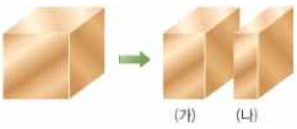
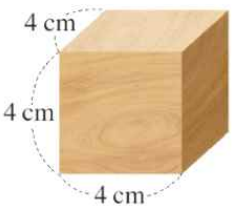
01. 물질의 특성(1)

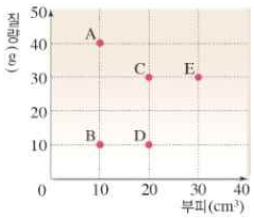
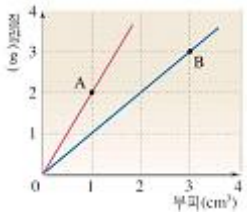
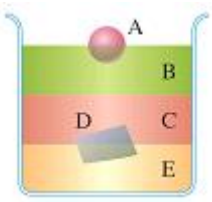
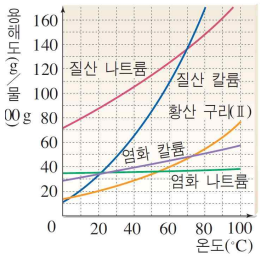
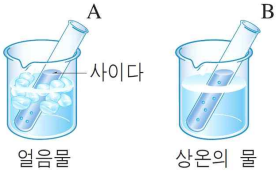
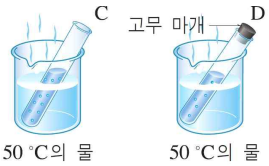
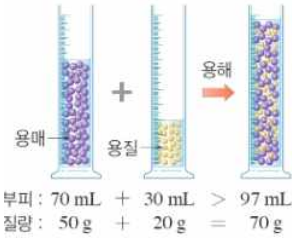
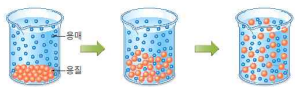
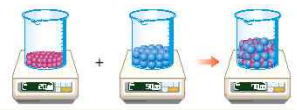
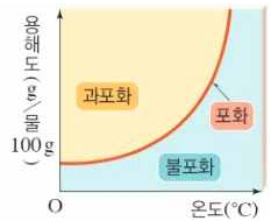
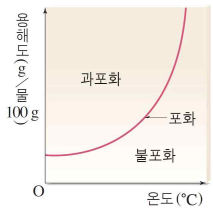
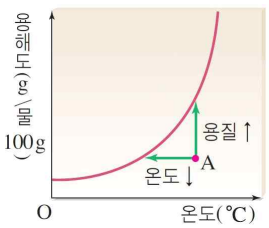
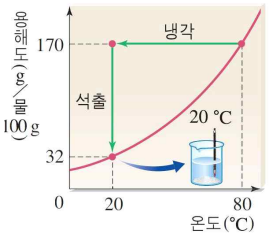
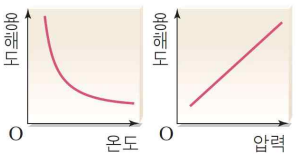
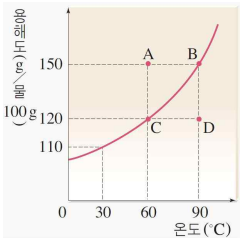
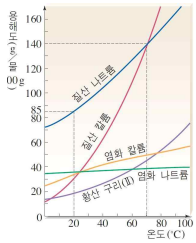
5-01-01(순물질과 혼합물 모형)	5-01-02(물질의 분류)	5-01-03(겉보기 성질)	5-01-04(혼합물의 끓는점)
			
5-01-05(혼합물의 어는점)	**5-01-06(혼합물의 녹는점)**	**5-01-07(물과 소금물 모형)**	**5-01-08(혼합물의 끓는점)**
			
5-01-09(끓는점과 물질의 종류)	**5-01-10(끓는점과 물질의 양)**	**5-01-11(압력솥)**	**5-01-12(감압 용기)**
			
5-01-13(녹는점과 어는점)	**5-01-14(물질의 상태)**	**5-01-15(액체의 가열 곡선)**	**5-01-16(찬물로 물 끓이기)**
			

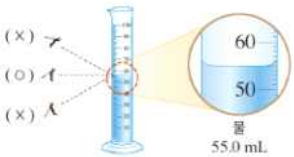
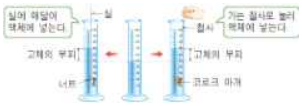
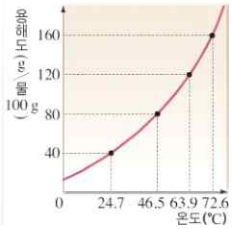
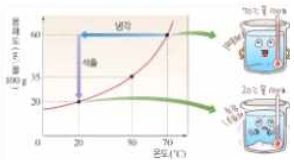
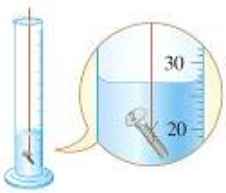
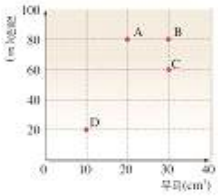
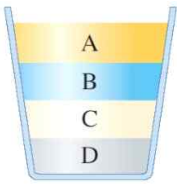
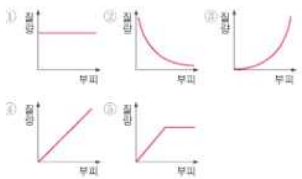
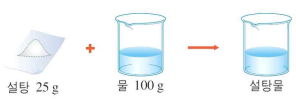
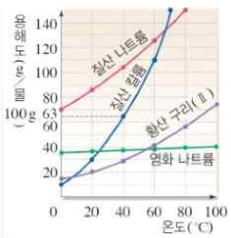
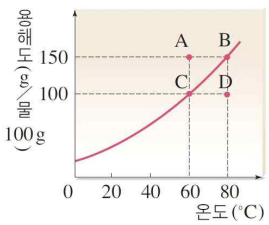
5-01-17(고체의 가열 곡선)	5-01-18(물질의 상태)	5-01-19(액체의 가열 곡선)	5-01-20(고체의 가열 냉각 곡선)
			
5-01-21(끓는점 측정1)	5-01-22(끓는점 측정2)	5-01-23(끓임쪽)	5-01-24(에탄올의 가열 곡선)
			
5-01-25(프로판올의 가열 곡선)	5-01-26(액체의 가열 곡선)	5-01-27(고체의 가열 곡선)	5-01-28(순물질과 혼합물 모형)
			
5-01-28-1(순물질과 혼합물 모형)	5-01-29(물질의 분류)	5-01-30(물과 소금물의 냉각 곡선)	5-01-31(끓는점 실험 장치와 가열 곡선)
			
5-01-32(액체의 가열 곡선)	5-01-33(가열 냉각 곡선)	5-01-34(고체의 가열 곡선)	5-01-35(얼음의 가열 곡선)
			

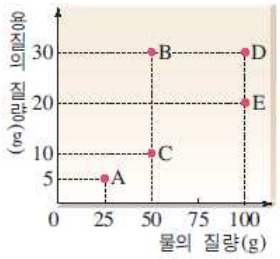
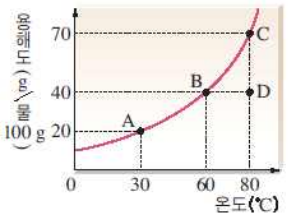
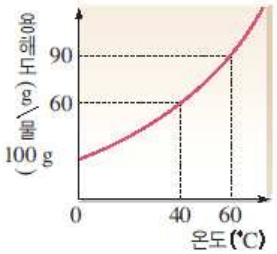
5-01-36(고체의 가열 곡선)	5-01-37(물질의 분류)	5-01-38(찬물로 물 끓이기)	5-01-39(물의 가열 곡선1)
			
5-01-40(물의 가열 곡선2)	5-01-41(물질의 상태)		
			

02. 물질의 특성(2)

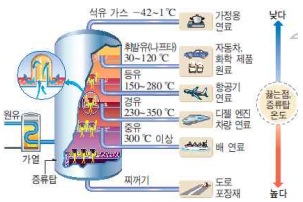
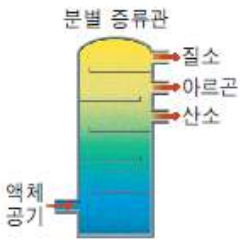
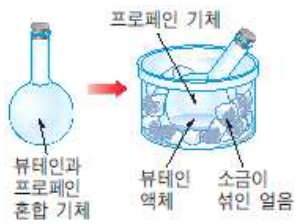
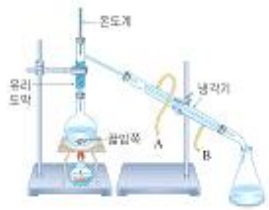
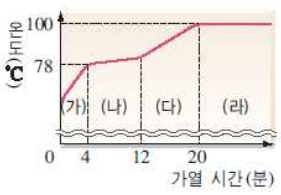
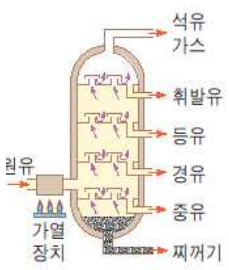
5-02-01(질량-부피 그래프)	5-02-02(고체의 부피 측정)	5-02-03(눈금실린더 눈금 읽기)	5-02-04(아르키메데스)
			
5-02-05(밀도와 물질의 종류)	5-02-06(밀도와 물질의 양)	5-02-07(금속)	5-02-08(나무도막)
			

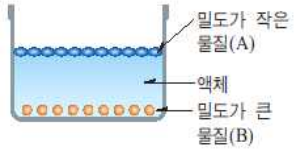
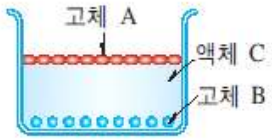
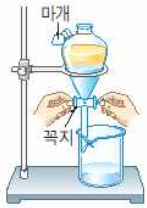
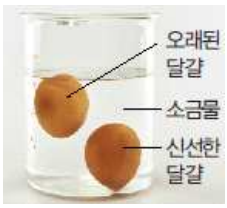
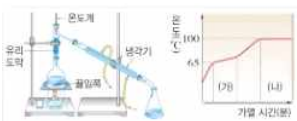
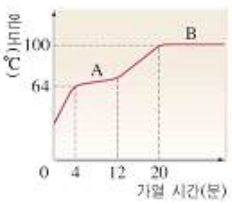
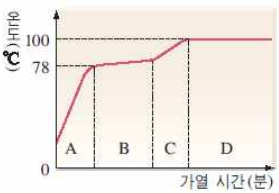
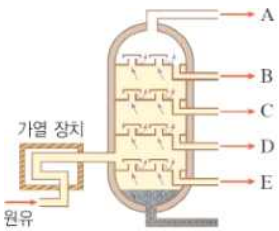
5-02-09(금속)	5-02-10(질량-부피 그래프)	5-02-11(밀도 그래프)	5-02-12(밀도탑)
			
5-02-13(용해도 곡선)	5-02-14(기체의 용해도)	5-02-15(기체의 용해도)	5-02-16(용해시 질량과 부피)
			
5-02-17(용해 모형)	5-02-18(기체의 용해도 곡선)	5-02-19(용해도 곡선과 용액의 종류)	5-02-20(용해도 곡선)
			
5-02-21(용해도 곡선)	5-02-22(용해도 곡선)	5-02-23(기체의 용해도 곡선)	5-02-24(용해도 곡선)
			
5-02-25(용해도 곡선)	5-02-26(질량 측정)	5-02-27(밀도 측정)	5-02-28(전자저울1)
			

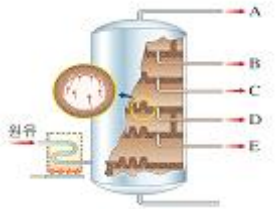
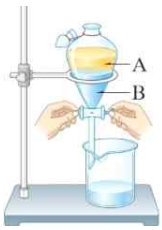
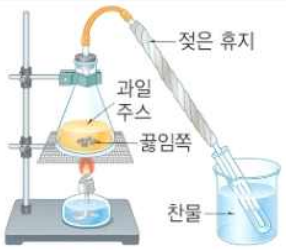
5-02-29(전자저울2)	5-02-30(액체의 부피 측정)	5-02-31(고체의 부피 측정)	5-02-32(윗접시저울)
			
5-02-33(기체의 용해도)	5-02-34(용해도 곡선)	5-02-34-1(용해도 곡선)	5-02-35(나사의 밀도)
			
5-02-36(철 조각)	5-02-37(질량-부피 그래프)	5-02-38(밀도탑)	5-02-39(밀도탑)
			
5-02-40(밀도 비교)	5-02-41(밀도 비교)	5-02-42(질량-부피 그래프)	5-02-43(기체의 부피 측정)
			
5-02-43(설탕 용해)	5-02-44(용해도 곡선)	5-02-45(용해도 곡선)	5-02-46(기체의 용해도)
			

5-02-46-1(기체의 용해도)	5-02-47(아르키메데스)	5-02-48(찬물과 더운물의 밀도)	5-02-49(용해도)
			
5-02-50(용해도 곡선)	5-02-51(용해도 곡선)		
			

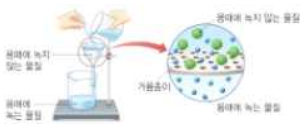
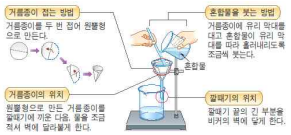
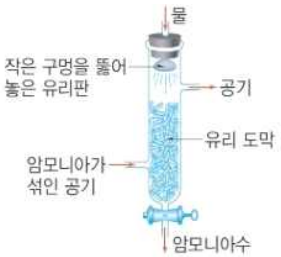
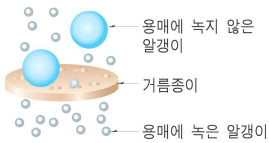
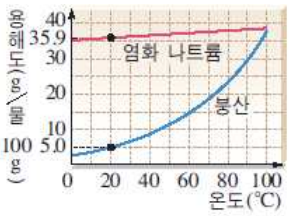
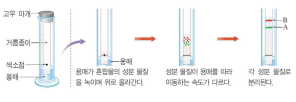
03. 혼합물의 분리(1)

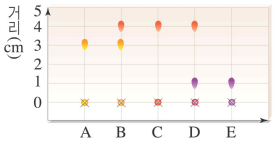
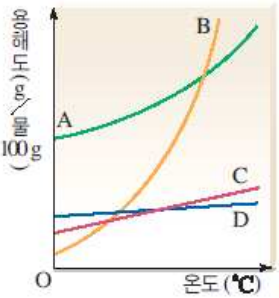
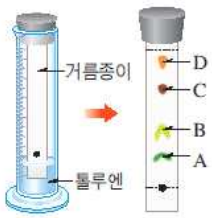
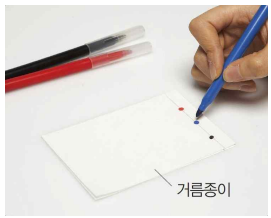
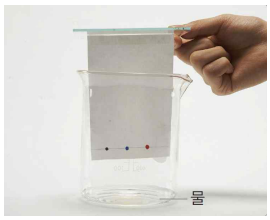
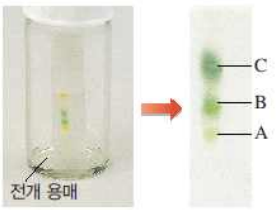
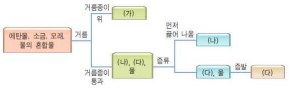
5-03-01(물과 에탄올 혼합물 가열 곡선)	5-03-02(원유의 분리)	5-03-03(소줏고리)	5-03-04(공기의 분리)
			
5-03-05(뷰테인과 프로페인 분리)	5-03-06(분별 증류 장치)	5-03-07(물과 에탄올 혼합물 가열 곡선)	5-03-08(증류탑)
			

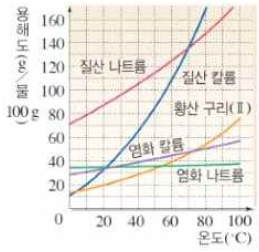
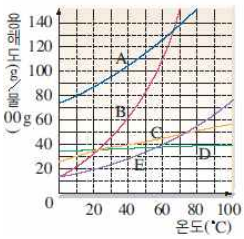
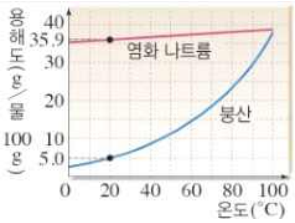
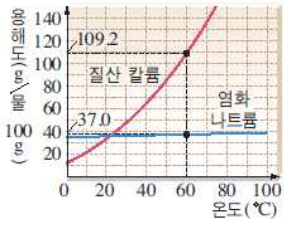
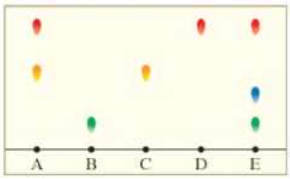
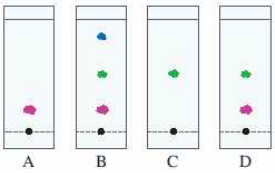
5-03-09(밀도 차를 이용한 분리)	5-03-09-1(밀도 차를 이용한 분리)	5-03-10(분별 깔때기)	5-03-11(분별 깔때기)
			
5-03-12(신선한 달걀 고르기)	5-03-13(플라스틱 분리)	5-03-14(플라스틱 분리)	5-03-15(에탄올과 고추기름 분리)
			
5-03-16(좋은 볍씨 고르기)	5-03-17(분별 깔때기)	5-03-18(물과 에탄올 분리1)	5-03-19(물과 에탄올 분리2)
			
5-03-20(끓임쪽)	5-03-21(물과 메탄올 혼합물 가열 곡선)	5-03-22(물과 메탄올 혼합물 가열 곡선)	5-03-23(스포이트를 이용한 분리)
			
5-03-24(분별 깔때기)	5-03-25(소줏고리)	5-03-26(물과 에탄올 혼합물 가열 곡선)	5-03-27(증류탑)
			

5-03-28(증류탑)	5-03-29(분별 깔때기)	5-03-30(분별 깔때기)	5-03-31(과일주스 증류)
			
5-03-32(분별 증류 장치와 증류탑)	5-03-33(플라스틱 분리)	5-03-34(뷰테인과 프로페인 분리)	
			

04. 혼합물의 분리(2)

5-04-01(거름 장치)	5-04-02(거름 장치)	5-04-03(기체 혼합물 분리)	5-04-04(거름종이 원리)
			
5-04-05(엽록소 추출)	5-04-06(거름 장치)	5-04-07(용해도 곡선)	5-04-08(크로마토그래피)
			

5-04-09(크로마토그래피)	5-04-10(크로마토그래피 유의 사항)	5-04-11(콩기름 분리)	5-04-12(생명 빨대)
			
5-04-13(용해도 곡선)	5-04-14(크로마토그래피)	5-04-15(사인펜 색소 분리1)	5-04-16(사인펜 색소 분리2)
			
5-04-17(크로마토그래피)	5-04-18(혼합물 분리)	5-04-19(혼합물 분리)	5-04-20 (혼합물 분리)
			
5-04-21(혼합물 분리)	5-04-22(혼합물 분리)	5-04-23(혼합물 분리)	5-04-23-1(혼합물 분리)
			

5-04-24(재결정)	5-04-25(용해도 곡선)	5-04-25-1(용해도 곡선)	5-04-26(용해도 곡선)
			
5-04-27(용해도 곡선)	5-04-28(크로마토그래피)	5-04-29(분필 크로마토그래피)	5-04-30(크로마토그래피 결과)
			
5-04-31(크로마토그래피)	5-04-32(혼합물 분리 장치)	5-04-33(혼합물 분리)	5-04-34(추출)
			
5-04-35(혼합물 분리 장치)	5-04-36(한약 달이기)	5-04-37(유성 잉크)