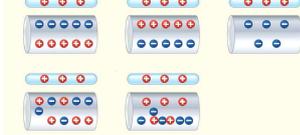
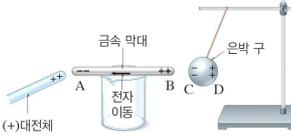
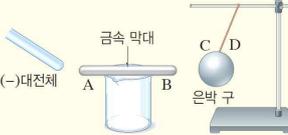
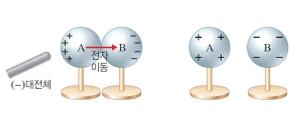
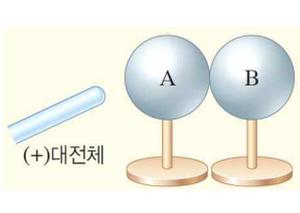
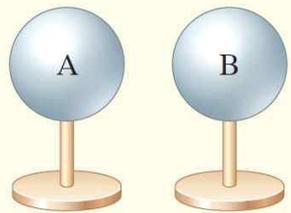
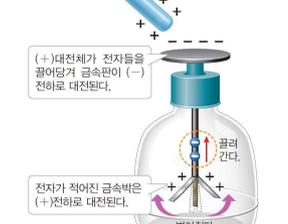
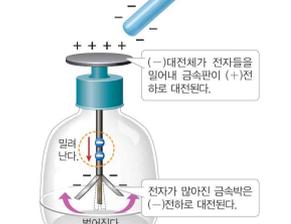
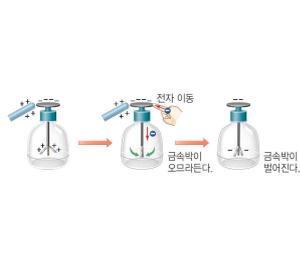
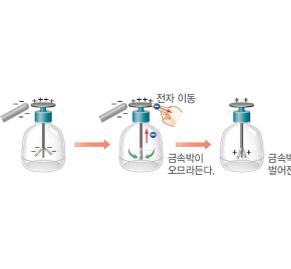
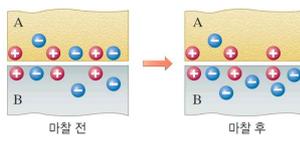
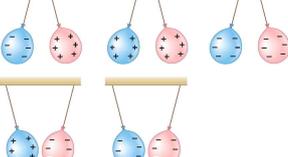
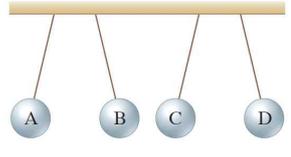
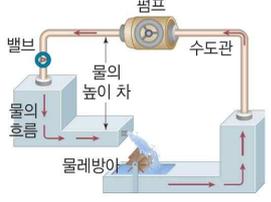
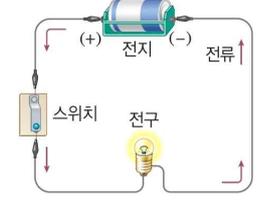
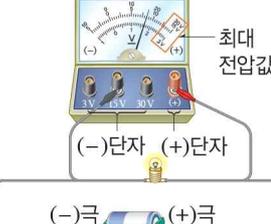
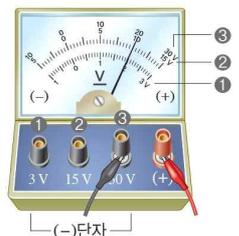
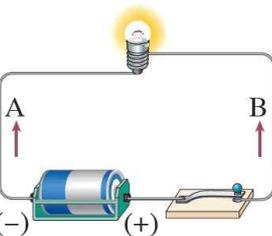
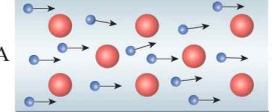
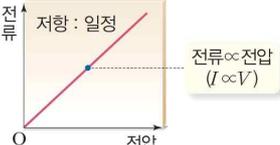
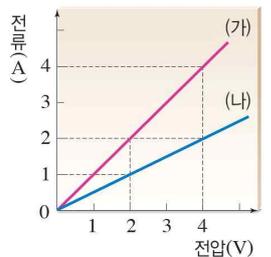
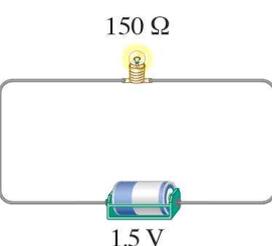
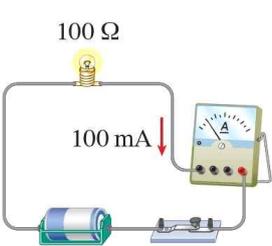
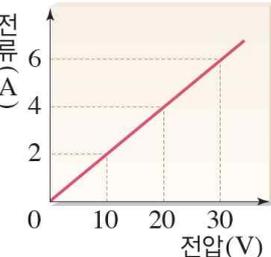
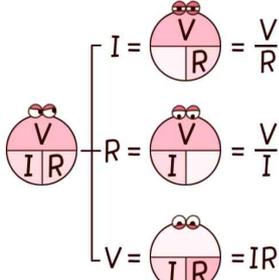
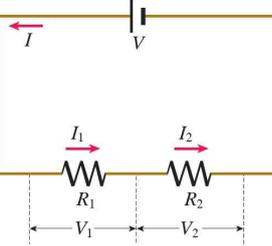
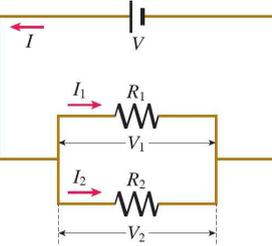
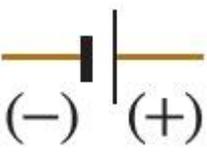


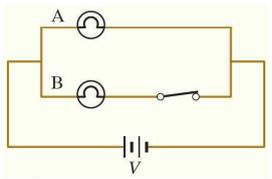
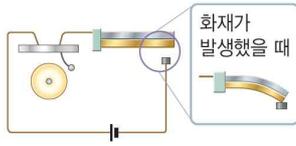
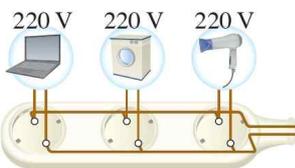
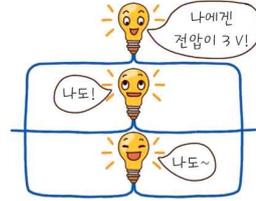
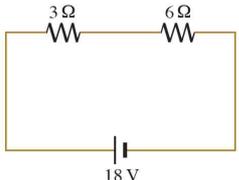
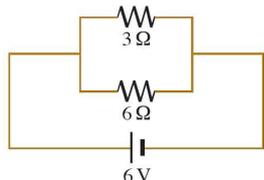
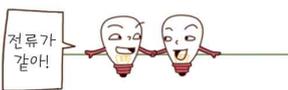
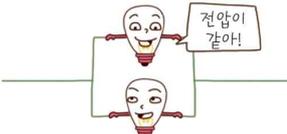
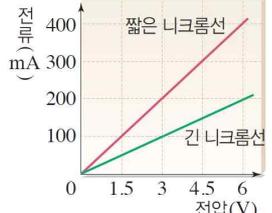
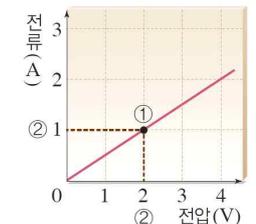
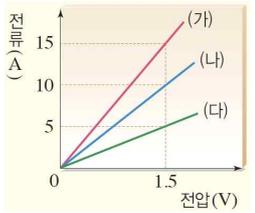
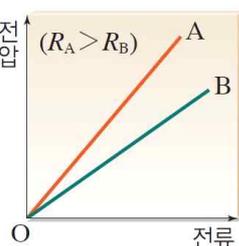
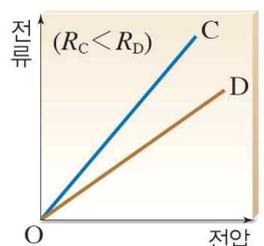
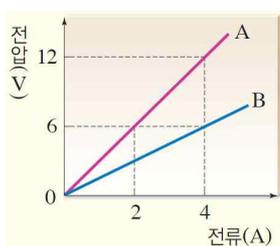
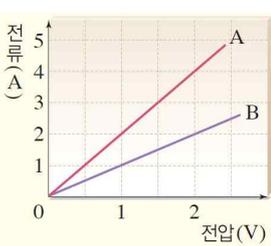
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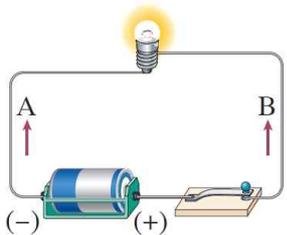
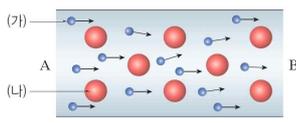
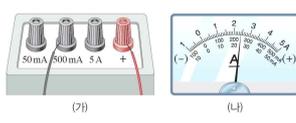
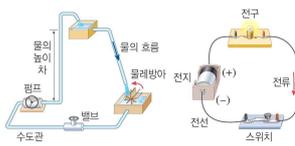
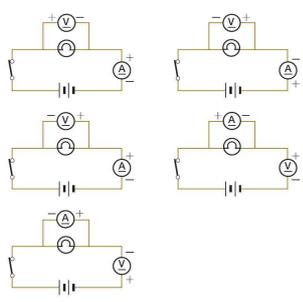
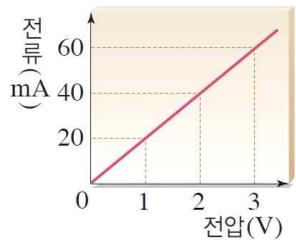
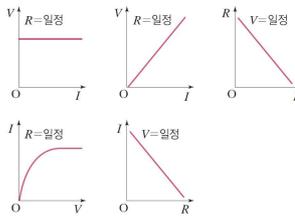
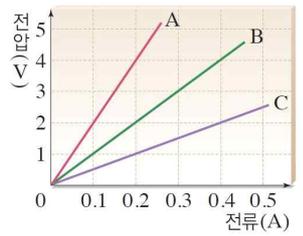
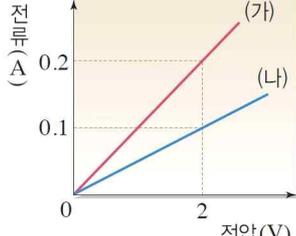
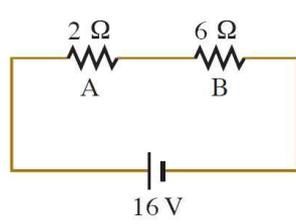
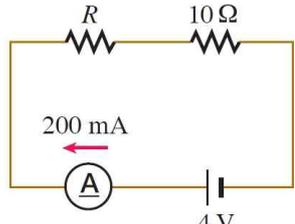
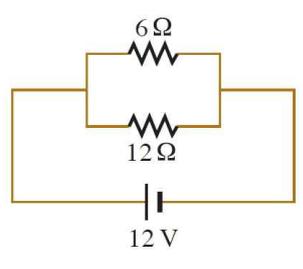
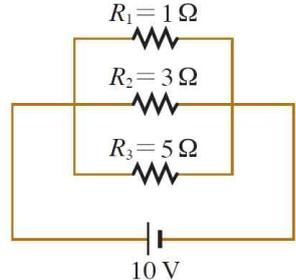
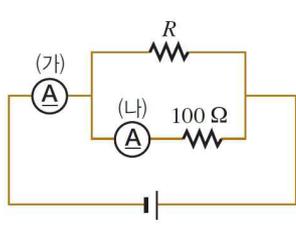
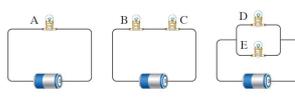
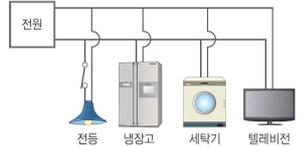
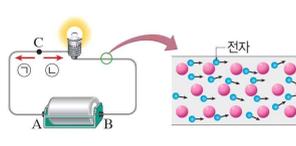
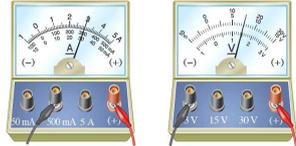
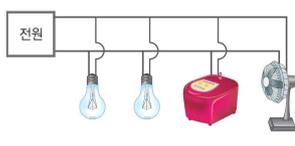
01. 전기의 발생			
2-01-01(원자의 구조)	2-01-02(털가죽과 플라스틱 빨대 마찰)	2-01-03(원자가 전자 잃음)	2-01-04(원자가 전자 얻음)
2-01-05(척력)	2-01-06(인력)	2-01-07(유리컵의 대전)	2-01-08(두 빨대)
2-01-09(털가죽과 빨대)	2-01-10(플라스틱 막대와 털가죽의 마찰)	2-01-11(두 빨대)	2-01-12(대전된 물체 사이의 전기력)
2-01-13(마찰 시 전자의 이동)	2-01-14(금속 정전기 유도)	2-01-15(금속이 아닌 물질의 정전기 유도)	2-01-16(검전기로 물체 대전 여부 확인)
2-01-17(검전기로 대전된 전하 양 비교)	2-01-18(검전기로 대전된 전하 종류 확인)	2-01-19(금속 정전기 유도)	2-01-20(은박 구와 (-)대전체)

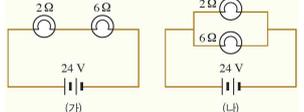
2-01-21(금속 대전 상태와 움직임)	2-01-22(대전되는 전하의 종류)	2-01-23(검전기와 (+)대전체)	2-01-24(알루미늄 캔의 대전)
	<p>가까운 쪽 먼(+) 쪽 가 다 만 셈! 다른 전하 같은(same) 전하</p> 		
2-01-25((+)전하의 유리 막대와 알루미늄 캔)	2-01-26(금속 막대와 은박 구의 대전)	2-01-27(금속 막대와 은박 구의 대전)	2-01-28(접촉한 두 금속 구와 (-)대전체)
			
2-01-29(접촉한 두 금속 구와 (+)대전체)	2-01-30(대전 상태 그리기)	2-01-31(검전기와 (+)대전체)	2-01-32(검전기와 (-)대전체)
			
2-01-33(검전기, (+)대전체, 손가락)	2-01-34(검전기, (-)대전체, 손가락)	2-01-35(검전기와 (+)대전체)	2-01-36(검전기와 (-)대전체)
			
2-01-37(두 물체 마찰 전후)	2-01-38(고무풍선과 고양이 털 마찰)	2-01-39(털가죽으로 문지른 두 고무풍선)	2-01-40(대전된 네 물체)
			

2-01-41(금속 정전기 유도)	2-01-42(접촉한 두 은박 구와 (-)대전체)	2-01-43(대전된 두 은박 구)	2-01-44(알루미늄 캔과 (+)대전체)
2-01-45(금속 막대와 은박 구의 대전)	2-01-46(금속 막대와 대전된 고무풍선)	2-01-47(검전기와 (+)대전체)	2-01-48(검전기와 (-)대전체)
2-01-49((+)전하로 대전된 검전기와 유리 막대)	2-01-50(고무풍선과 명주 헝겊 마찰 전후)	2-01-51(금속 정전기 유도)	2-01-52(알루미늄 캔과 대전된 플라스틱 막대)
2-01-53(검전기, (+)대전체, 손가락)	2-01-54((-)대전체, 금속 막대, 검전기)		
<b>02. 전류, 전압, 저항</b>			
2-02-01(전자와 전류의 이동 방향)	2-02-02(전류가 흐르지 않을 때 전자 운동)	2-02-03(전류가 흐를 때 전자 운동)	2-02-04(전류 세기 정의)

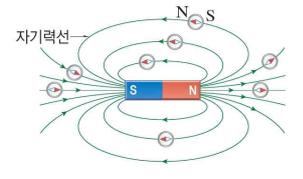
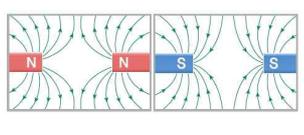
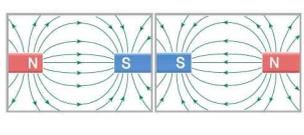
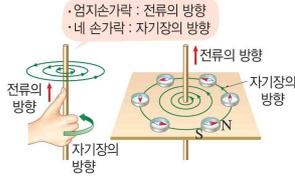
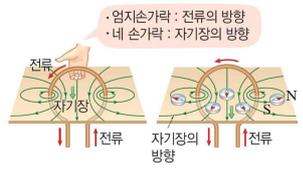
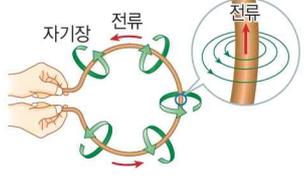
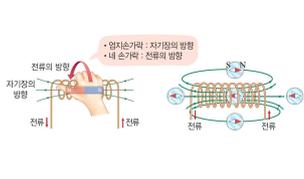
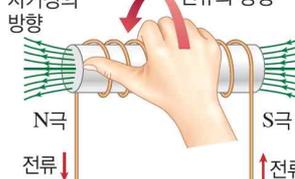
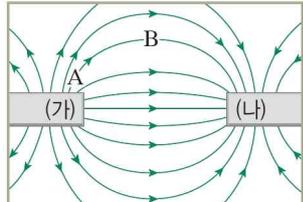
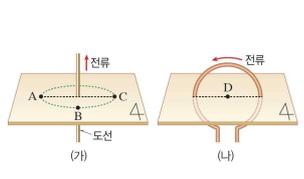
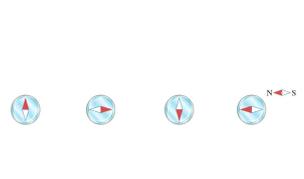
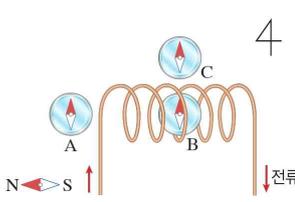
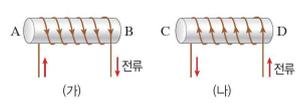
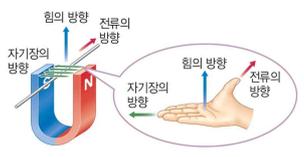
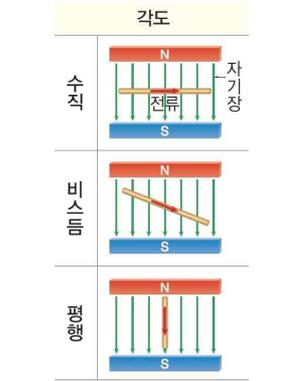
<p>2-02-05(물의 흐름)</p> 	<p>2-02-06(전기 회로)</p> 	<p>2-02-07(전류계)</p> 	<p>2-02-08(전압계)</p> 
<p>2-02-09(전압계 눈금)</p> 	<p>2-02-10(전기 회로)</p> 	<p>2-02-11(도선 속 전자 운동)</p> 	<p>2-02-12(전류계)</p> 
<p>2-02-13(저항과 물질의 길이)</p> 	<p>2-02-14(저항과 물질의 단면적)</p> 	<p>2-02-15(전류와 전압의 관계)</p> 	<p>2-02-16(전류와 저항의 관계)</p> 
<p>2-02-17(전압-전류 그래프)</p> 	<p>2-02-18(전기 회로)</p> 	<p>2-02-19(전류계가 연결된 전기 회로)</p> 	<p>2-02-20(전압-전류 그래프)</p> 
<p>2-02-21(옴의 법칙 외우기)</p>	<p>2-02-22(저항의 직렬연결 회로도)</p>	<p>2-02-23(저항의 병렬연결 회로도)</p>	<p>2-02-24(전지 기호)</p>
			

2-02-25(저항 기호)	2-02-26(전구 기호)	2-02-27(스위치 기호)	2-02-28(전류계 기호)
			
2-02-29(전압계 기호)	2-02-30(전기 회로도)	2-02-31(화재 감지 장치)	2-02-32(장식용 전구)
			
2-02-33(멀티탭)	2-02-34(건물의 전기 배선)	2-02-35(병렬연결의 장점1)	2-02-36(병렬연결의 장점2)
			
2-02-37(전기 회로도)	2-02-38(전기 회로도)	2-02-39(직렬연결은 전류 일정)	2-02-40(병렬연결은 전압 일정)
			
2-02-41(전압과 전류의 관계 실험)	2-02-42(전압-전류 그래프)	2-02-43(전압-전류 그래프)	2-02-44(전압-전류 그래프)
			
2-02-45(전류-전압 그래프로 저항 비교)	2-02-46(전압-전류 그래프로 저항 비교)	2-02-47(전류-전압 그래프)	2-02-48(전압-전류 그래프)
			

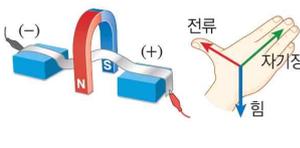
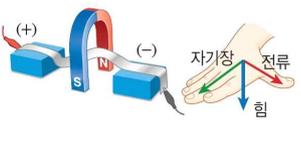
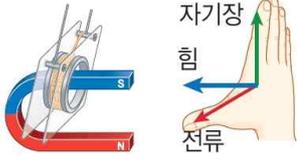
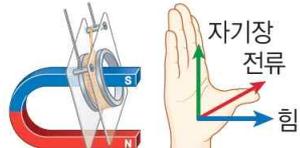
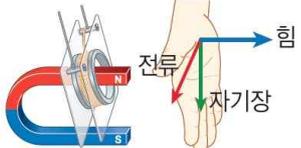
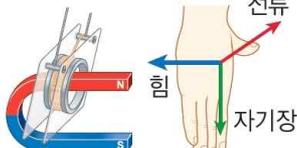
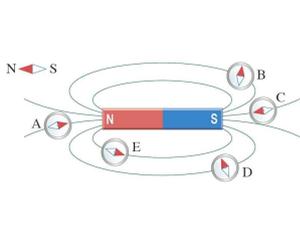
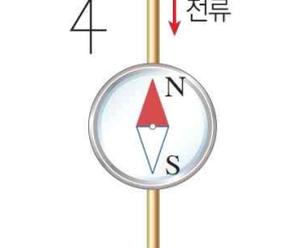
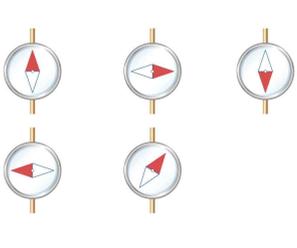
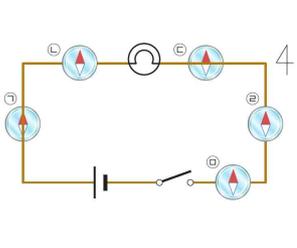
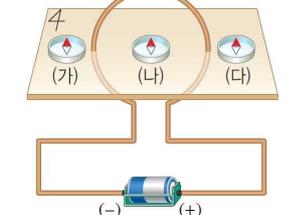
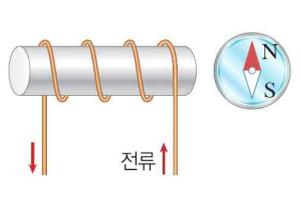
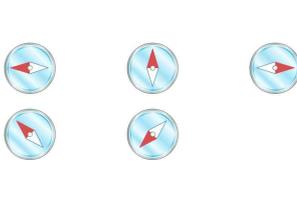
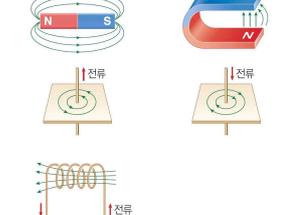
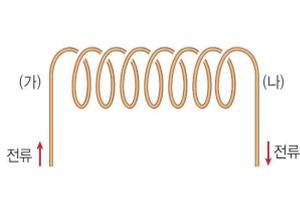
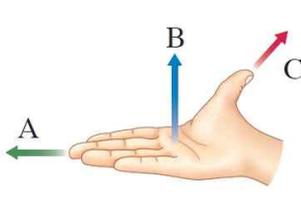
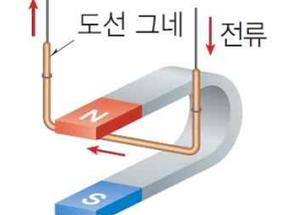
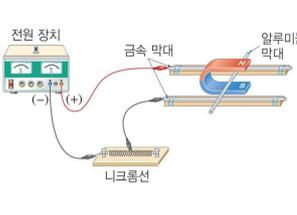
2-02-49(전기 회로)	2-02-50(도선 속 전자와 원자)	2-02-51(전류계)	2-02-52(물의 흐름과 전기 회로)
			
2-02-53(전류계와 전압계 연결)	2-02-54(전류계와 전압계)	2-02-55(전압-전류 그래프)	2-02-56(옴의 법칙 그래프)
			
2-02-57(전류-전압 그래프)	2-02-58(전압-전류 그래프)	2-02-59(전기 회로도)	2-02-60(전기 회로도)
			
2-02-61(전기 회로도)	2-02-62(전기 회로도)	2-02-63(전기 회로도)	2-02-64(전기 회로)
			
2-02-65(가정 전기 기구의 연결)	2-02-66(전기 회로와 도선 속 전자)	2-02-67(전류계와 전압계)	2-02-68(가정 전기 기구의 연결)
			

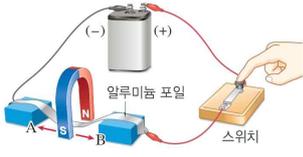
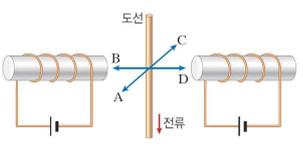
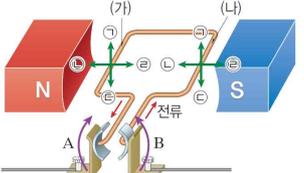
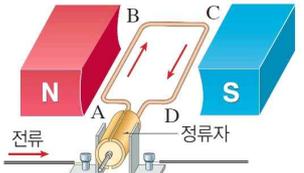
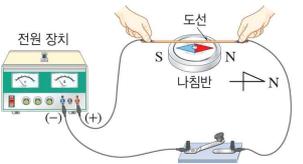
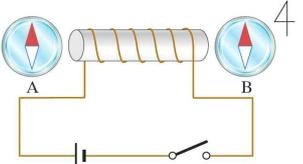
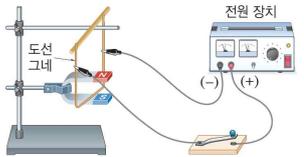
<p>2-02-69(전류계)</p> 	<p>2-02-70(전기 회로도)</p> 		
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**03. 전류의 자기 작용**

<p>2-03-01(자기력선과 자기장의 방향)</p> 	<p>2-03-02(같은 극 사이의 자기력선)</p> 	<p>2-03-03(다른 극 사이의 자기력선)</p> 	<p>2-03-04(직선 도선 주위에 생긴 자기장)</p> 
<p>2-03-05(원형 도선 주위에 생긴 자기장)</p> 	<p>2-03-06(원형 도선에 의한 자기장의 모양)</p> 	<p>2-03-07(코일 주위에 생긴 자기장)</p> 	<p>2-03-08(전자석의 전류와 자기장의 방향)</p> 
<p>2-03-09(두 극 사이의 자기력선)</p> 	<p>2-03-10(직선 도선과 원형 도선)</p> 	<p>2-03-11(나침반)</p> 	<p>2-03-12(코일과 나침반)</p> 
<p>2-03-13(자기장 방향 찾기)</p> 	<p>2-03-14(전자석)</p> 	<p>2-03-15(자기장, 전류, 힘의 방향)</p> 	<p>2-03-16(전류와 자기장의 각도)</p> 

2-03-17(전동기의 구조)	2-03-18(전동기에서 전류의 방향이 바뀌는 순간)	2-03-19(스피커의 구조)	2-03-20(자기장 속 도선이 받는 힘의 방향)
2-03-21(전동기의 구조)	2-03-22(자기장, 전류, 힘의 방향)	2-03-23(직선 도선 주위의 자기장의 방향)	2-03-24(원형 도선 주위의 자기장의 방향)
2-03-25(코일 주위의 자기장의 방향1)	2-03-26(코일 주위의 자기장의 방향2)	2-03-27(직선 도선 주위의 나침반 자침 방향)	2-03-28(원형 도선 주위의 나침반 자침 방향)
2-03-29(코일 주위의 나침반 자침 방향)	2-03-30(직선 도선)	2-03-31(원형 도선 주위의 자기력선)	2-03-32(전자석)
2-03-33(코일)	2-03-34(직선 도선 위, 아래의 나침반)	2-03-35(자기장에서 전류가 받는 힘 실험)	2-03-36(자기장에서 전류가 받는 힘 실험 과정1)

2-03-37(자기장에서 전류가 받는 힘 실험 과정2)	2-03-38(자기장에서 전류가 받는 힘 실험 과정3)	2-03-39(전기 그네 실험)	2-03-40(전기 그네 실험 과정1)
			
2-03-41(전기 그네 실험 과정2-1)	2-03-42(전기 그네 실험 과정2-2)	2-03-43(전기 그네 실험 과정3)	2-03-44(알루미늄 포일이 받는 힘)
			
2-03-45(막대자석 주위의 나침반)	2-03-46(직선 도선과 나침반)	2-03-47(직선 도선에서의 나침반 자침 방향)	2-03-48(전기 회로와 나침반)
			
2-03-49(원형 도선과 나침반)	2-03-50(코일과 나침반)	2-03-51(나침반 자침 방향)	2-03-52(자기장의 모양)
			
2-03-53(코일)	2-03-54(자기장, 전류, 힘의 방향)	2-03-55(도선 그네)	2-03-56(자기장에서 전류가 받는 힘)
			

<p>2-03-57(자기장에서 전류가 받는 힘 실험)</p>	<p>2-03-58(두 전자석 사이의 직선 도선)</p>	<p>2-03-59(전동기의 구조)</p>	<p>2-03-60(전동기의 구조)</p>
			
<p>2-03-61(직선 도선과 나침반)</p>	<p>2-03-62(전자석과 나침반)</p>	<p>2-03-63(나침반 그리기)</p>	<p>2-03-64(도선 그네)</p>
			
<p>2-03-65(전류의 방향이 다른 두 직선 도선)</p>	<p>2-03-66(전자석과 막대자석)</p>	<p>2-03-67(자기장과 전류의 각도)</p>	
