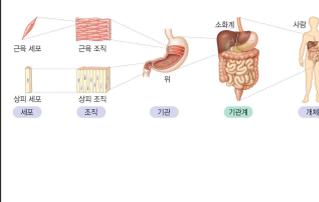
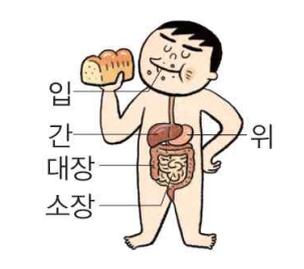
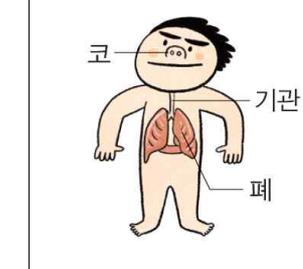
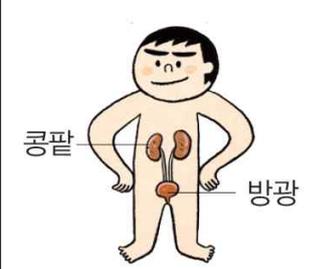
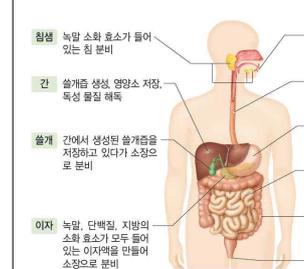
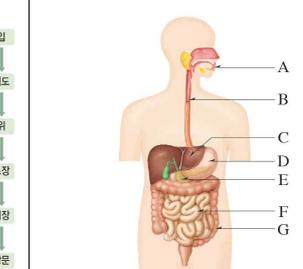
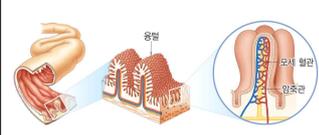
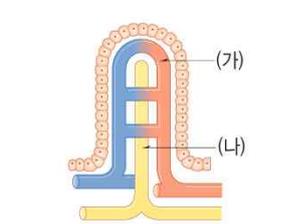
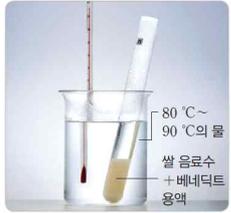
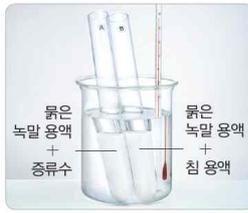
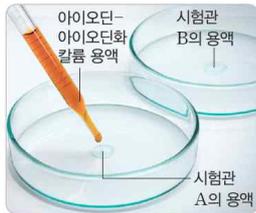
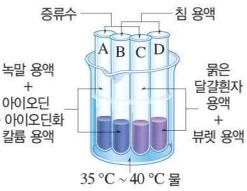
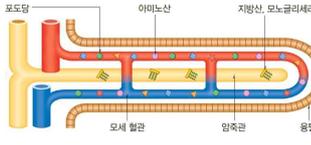
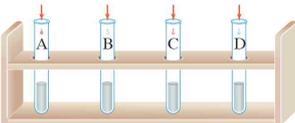
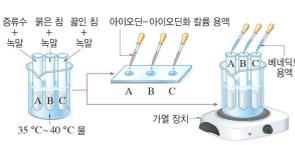
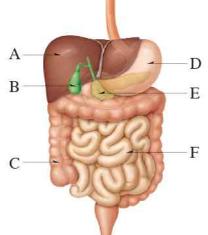
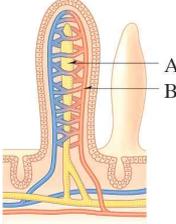
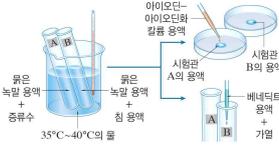
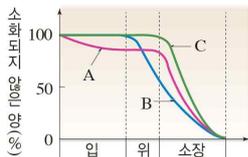
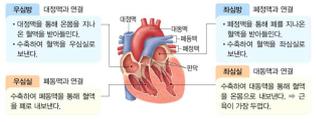
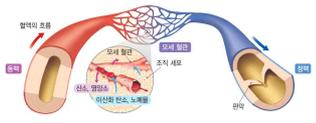
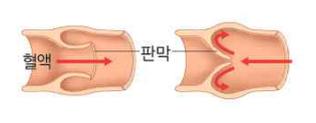
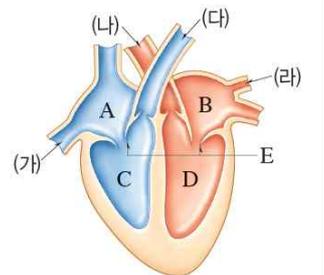
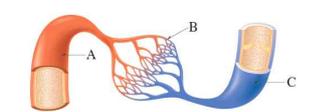
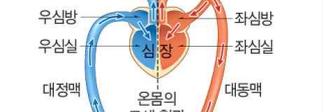
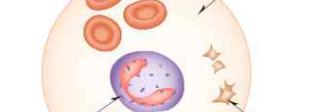
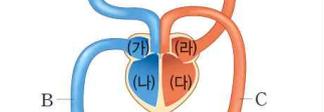
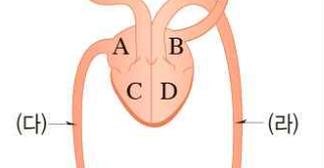


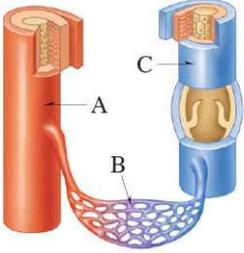
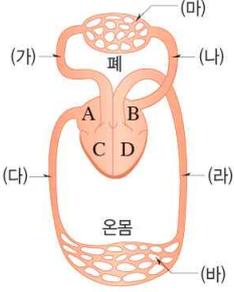
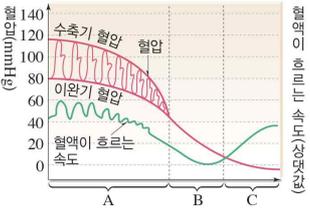
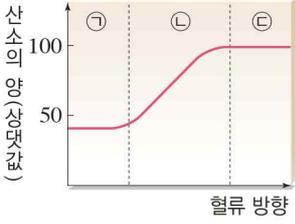
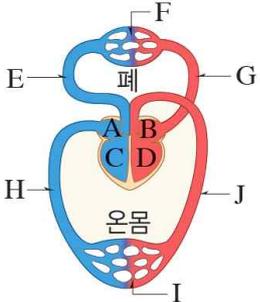
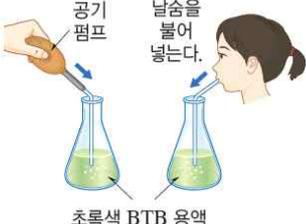
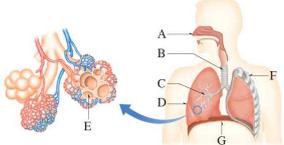
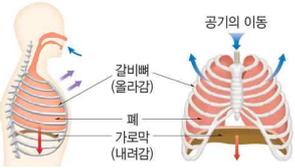
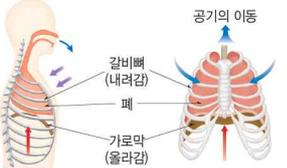
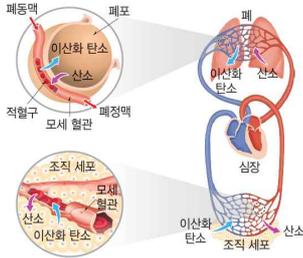
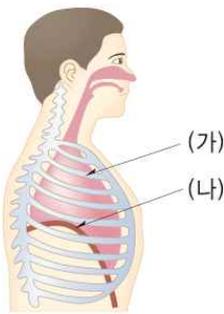
V. 동물과 에너지

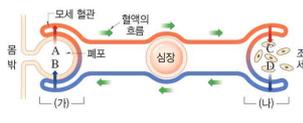
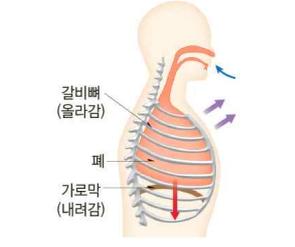
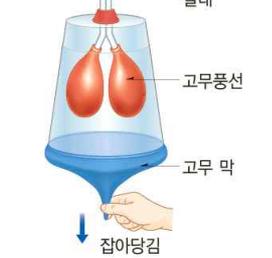
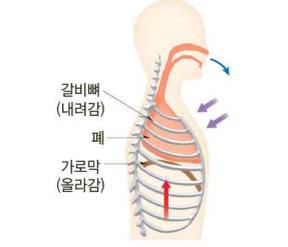
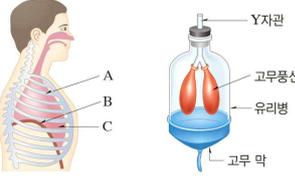
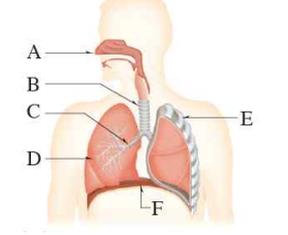
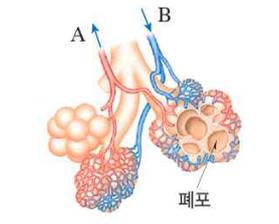
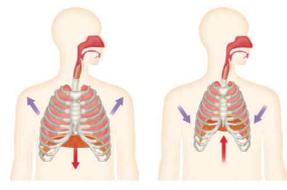
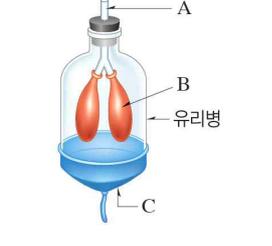
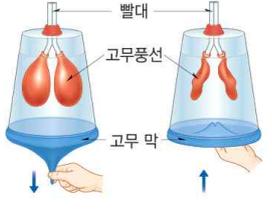
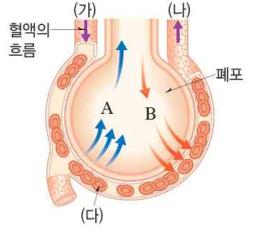
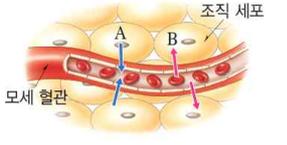
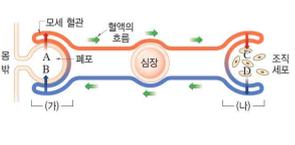
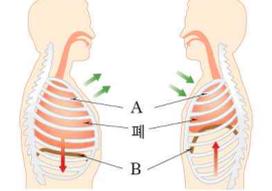
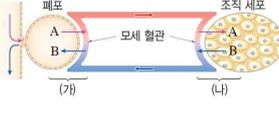
01. 소화			
5-01-01(동물 몸의 구성 단계)	5-01-02(소화계)	5-01-03(순환계)	5-01-04(호흡계)
			
5-01-05(배설계)	5-01-06(동물 몸의 구성 단계)	5-01-07(녹말 검출)	5-01-08(포도당 검출)
			
5-01-09(단백질 검출)	5-01-10(지방 검출)	5-01-11(소화계)	5-01-12(소화계)
			
5-01-13(영양소의 흡수와 이동)	5-01-14(용털의 구조)	5-01-15(영양소 검출1)	5-01-16(영양소 검출2)
			

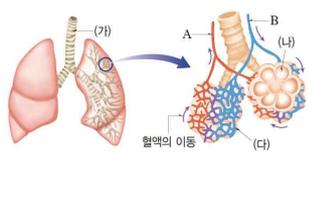
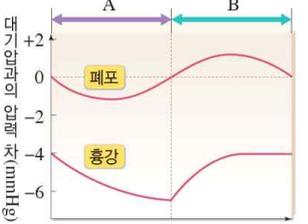
<p>5-01-17(영양소 검출3)</p> 	<p>5-01-18(침의 작용1)</p> 	<p>5-01-19(침의 작용2)</p> 	<p>5-01-20(침의 작용3)</p> 
<p>5-01-21(침의 작용)</p>	<p>5-01-22(탄수화물)</p>	<p>5-01-23(단백질)</p>	<p>5-01-24(지방)</p>
			
<p>5-01-25(소화 과정)</p>	<p>5-01-26(영양소의 흡수와 이동)</p>	<p>5-01-27(동물 몸의 구성 단계)</p>	<p>5-01-28(영양소의 종류 확인 실험)</p>
			
<p>5-01-29(영양소 검출 반응)</p>	<p>5-01-30(소화계)</p>	<p>5-01-31(융털의 구조)</p>	<p>5-01-32(침의 소화 작용)</p>
			
<p>5-01-33(소장 안쪽 벽의 구조)</p>	<p>5-01-34(소화되지 않은 양의 비율)</p>		
			

02. 순환

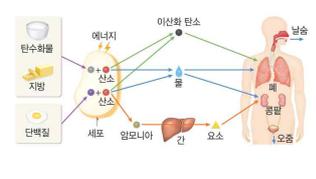
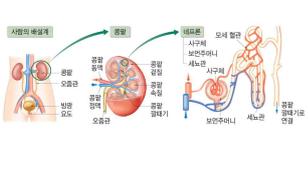
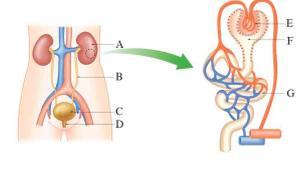
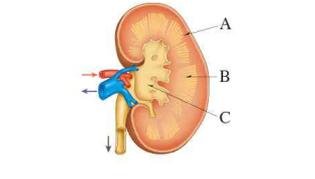
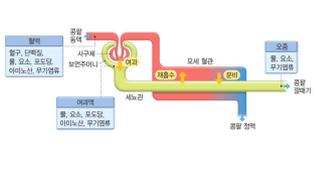
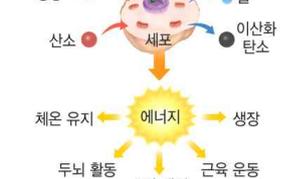
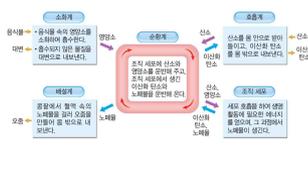
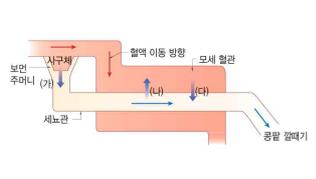
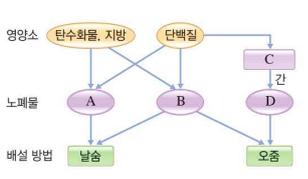
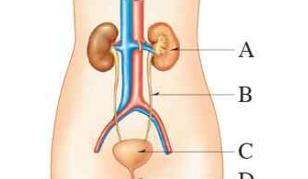
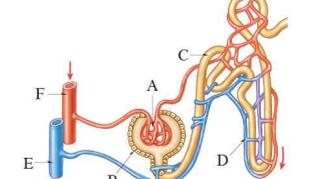
<p>5-02-01(심장의 구조)</p>	<p>5-02-02(혈관)</p>	<p>5-02-03(정맥의 판막과 혈액의 흐름)</p>	<p>5-02-04(심장의 구조)</p>
 <p>우심방 (대정맥의 연결) • 대정맥을 통해 온몸을 지니 온 혈액을 받아들인다. • 우심방이 혈액을 우심실로 보낸다.</p> <p>우심실 (폐동맥의 연결) • 수축하여 폐동맥을 통해 혈액을 폐로 내보낸다.</p> <p>좌심방 (좌심방의 연결) • 좌심방을 통해 온몸을 지니 온 혈액을 받아들인다. • 좌심방이 혈액을 좌심실로 보낸다.</p> <p>좌심실 (대정맥의 연결) • 수축하여 대정맥을 통해 혈액을 온몸으로 내보낸다. ⇒ 큰 힘이 가해진다.</p>	 <p>합맥의 흐름</p> <p>모세 혈관</p> <p>조직 세포</p> <p>이산화 탄소, 노폐물</p> <p>판막</p>	 <p>혈액</p> <p>판막</p>	
<p>5-02-05(혈관)</p>	<p>5-02-06(혈액의 구성)</p>	<p>5-02-07(혈액 순환)</p>	<p>5-02-08(혈액 순환 경로)</p>
 <p>A</p> <p>B</p> <p>C</p>	 <p>혈액</p> <p>분리</p> <p>혈장 (55%)</p> <p>적혈구</p> <p>백혈구</p> <p>혈소판</p> <p>조직 세포</p>	 <p>동맥혈</p> <p>정맥혈</p> <p>온몸 순환</p> <p>폐순환</p> <p>대정맥</p> <p>우심방</p> <p>우심실</p> <p>폐동맥</p> <p>폐의 모세 혈관</p> <p>심장</p> <p>좌심방</p> <p>좌심실</p> <p>폐정맥</p> <p>온몸의 모세 혈관</p>	 <p>이산화 탄소</p> <p>산소</p> <p>폐동맥</p> <p>폐의 모세 혈관</p> <p>폐정맥</p> <p>우심방</p> <p>좌심방</p> <p>우심실</p> <p>좌심실</p> <p>심장</p> <p>온몸의 모세 혈관</p> <p>대정맥</p> <p>대동맥</p> <p>이산화 탄소, 노폐물</p> <p>산소, 영양소</p> <p>정맥혈</p> <p>동맥혈</p>
<p>5-02-09(헤모글로빈)</p>	<p>5-02-10(온몸 순환과 폐순환)</p>	<p>5-02-11(혈액의 성분)</p>	<p>5-02-12(혈액 순환 경로)</p>
 <p>폐</p> <p>산소</p> <p>조직</p> <p>적혈구</p> <p>헤모글로빈</p>	 <p>난 폐순환 중이야~</p> <p>난 온몸 순환 중이야~</p> <p>난 온몸 순환 중이야~</p> <p>난 폐순환 중이야~</p> <p>심장</p> <p>폐</p>	 <p>A</p> <p>B</p> <p>C</p> <p>D</p>	 <p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>가</p> <p>나</p> <p>라</p> <p>온몸의 모세 혈관</p> <p>폐의 모세 혈관</p>
<p>5-02-13(혈액 관찰1)</p>	<p>5-02-14(혈액 관찰2)</p>	<p>5-02-15(혈액 관찰3)</p>	<p>5-02-16(혈액 순환 경로)</p>
	 <p>에탄올</p>	 <p>검사액</p>	 <p>가</p> <p>나</p> <p>라</p> <p>온몸</p> <p>폐</p>

<p>5-02-17(혈관)</p> 	<p>5-02-18(헤모글로빈)</p> 	<p>5-02-19(혈액 순환 경로)</p> 	<p>5-02-20(혈관의 특징)</p> 
<p>5-02-21(혈액 속 산소 양의 변화)</p> 	<p>5-02-22(혈액 순환 경로)</p> 		
<p>03. 호흡</p>			
<p>5-03-01(호흡계의 구조)</p> 	<p>5-03-02(들숨과 날숨의 성분)</p> 	<p>5-03-03(폐와 폐포)</p> 	<p>5-03-04(호흡계)</p> 
<p>5-03-05(들숨)</p> 	<p>5-03-06(날숨)</p> 	<p>5-03-07(기체 교환)</p> 	<p>5-03-08(가슴 구조)</p> 

5-03-09(기체 교환)	5-03-10(호흡 운동의 원리1)	5-03-11(호흡 운동의 원리2)	5-03-12(호흡 운동의 원리3)
			
5-03-13(들숨)	5-03-14(들숨)	5-03-15(날숨)	5-03-16(날숨)
			
5-03-17(호흡 기관과 호흡 운동 모형)	5-03-18(들숨과 날숨의 성분 확인)	5-03-19(호흡계)	5-03-20(폐포의 구조)
			
5-03-21(들숨과 날숨)	5-03-22(호흡 운동 모형)	5-03-23(호흡 운동 모형)	5-03-24(폐에서의 기체 교환)
			
5-03-25(조직 세포에서의 기체 교환)	5-03-26(기체 교환 과정)	5-03-27(호흡 운동)	5-03-28(기체 교환)
			

5-03-29(호흡 기관)	5-03-30(흉강의 압력 변화)		
			

04. 배설

5-04-01(노폐물의 생성과 배설)	5-04-02(배설계의 구조)	5-04-03(배설계)	5-04-04(콩팥의 구조)
			
5-04-05(오줌의 생성 과정)	5-04-06(세포 호흡과 에너지의 이용)	5-04-07(기관계의 유기적 작용)	5-04-08(재흡수와 분비)
			
5-04-09(오줌의 생성 과정)	5-04-10(노폐물의 생성과 배설)	5-04-11(배설계)	5-04-12(콩팥의 일부)
			
5-04-13(오줌의 생성 과정)	5-04-14(기관계의 유기적 작용)	5-04-15(오줌의 생성 과정)	5-04-16(기관계의 유기적 작용)
