

33. < > .

		46			5
7	,	2	3	,	6
					5

() 가
? [1]



34. , 가
(, 10.0cm²)

		(cm ²)	
	Zn	10.0	
	Zn	5.0	
	Zn	10.0	
	Pb	5.0	

가 가 가 ? [1]
I, , , ,

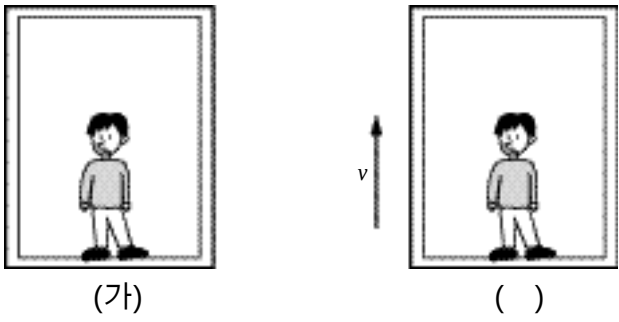
35. .

가
< > ? [1]

ㄱ.	ㄴ.
ㄷ. LH()	ㄹ. FSH()

ㄱ, ㄴ ㄱ, ㄷ ㄱ, ㄹ ㄴ, ㄷ ㄷ, ㄹ

36. (가) 가 가
, () 가 v

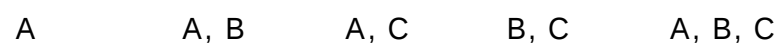


(가) ()
< > ?

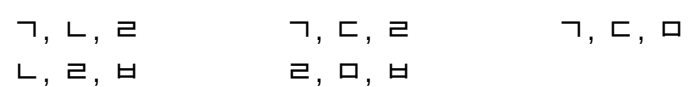
ㄱ.	() 0 .
ㄴ.	.
ㄷ. (가)	()

ㄱ ㄷ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

39. 가



4.2 J/g · °C 가 ()

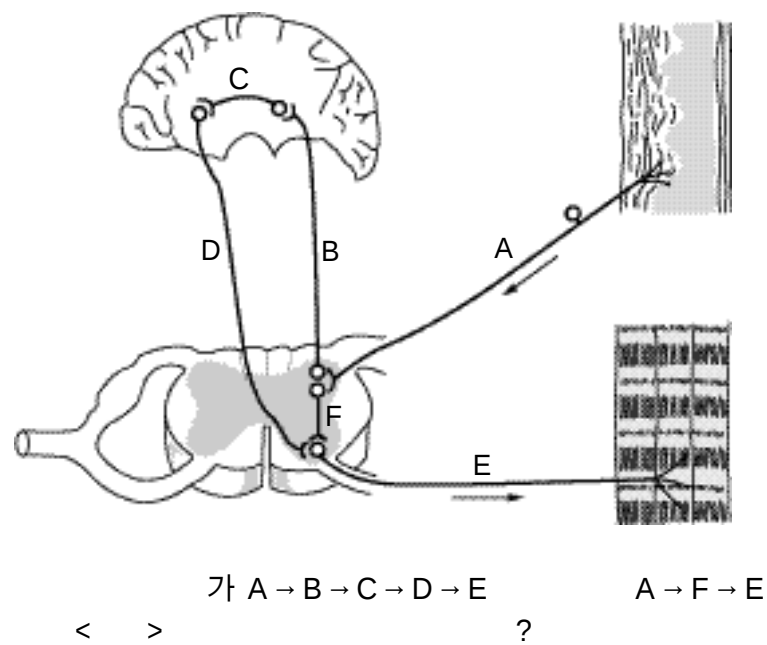

$$\begin{array}{llll} \neg. 0 & t_1 & \text{가} & . \\ \sqsubset. & \text{가} & & t_1 . \\ \sqsubset. t_2 & t_3 & & . \end{array}$$
$$\sqcup \qquad \sqsubset \qquad \neg, \sqcup \qquad \neg, \sqsubset \qquad \neg, \sqcup, \sqsubset$$

(가) ()

(7) B	C
(cal/cm ² · min)	() ?

<u>B</u>	<u>C</u>
0.15	0.35
0.25	0.25
0.35	0.15
0.50	0.25
0.50	0.50

41.



ㄱ.
ㄴ.
ㄷ.

A → B → C → D → E	A → F → E
ㄱ	ㄴ
ㄴ	ㄱ, ㄷ
ㄷ	ㄴ
ㄱ, ㄷ	ㄴ
ㄴ, ㄷ	ㄱ

42.

LPG 가 가
LPG 가 1
< > ?

ㄱ. (℃)
ㄴ. (kJ/g)
ㄷ. 가 1 LPG (g)
ㄹ. LPG

ㄱ, ㄴ ㄴ, ㄷ ㄴ, ㄹ
ㄱ, ㄷ, ㄹ ㄴ, ㄷ, ㄹ

43.

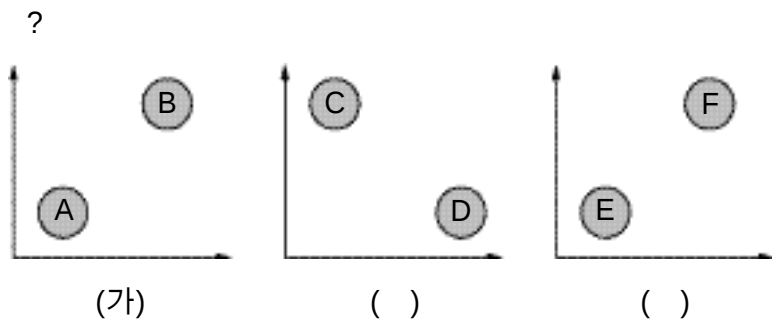
< >
(가) 가 가
 . (, .)
() 가
 . (, .)

(가) () ?
< >

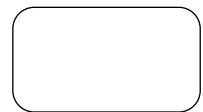
ㄱ.
ㄴ.
ㄷ. 가가
ㄱ ㄴ ㄷ ㄱ, ㄴ ㄴ, ㄷ

44.

(가), (), ()



A, C, F A, D, E B, C, E
B, C, F B, D, F



45.

< >

(가) U 30

() U

+ + + + +

A B C D E

U	A	B	C	D	E
	x	x	x	x	x
	x	o	o	o	x

o : , x :

< >

?

ㄱ.

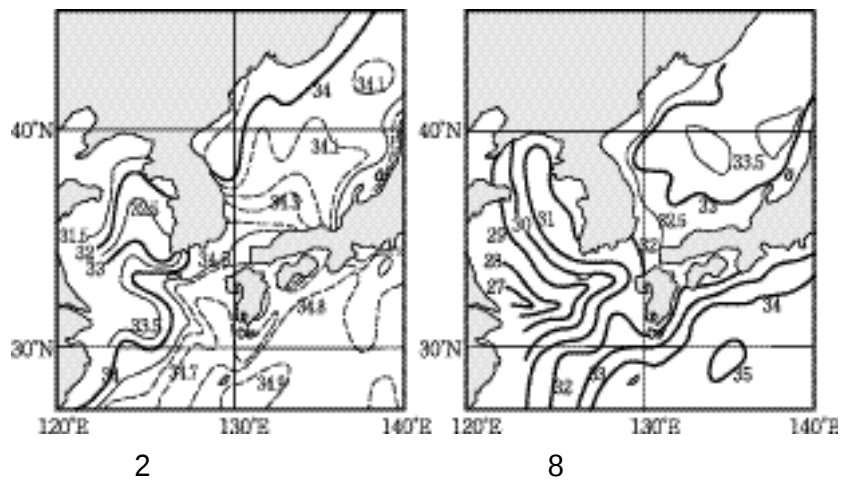
ㄴ.

ㄷ.

ㄱ ㄴ ㄷ ㄱ, ㄴ ㄴ, ㄷ

46.

2 8 (‰)



< >

?

ㄱ.

ㄴ. 2

ㄷ. 8

ㄱ ㄴ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

47.

< > ?

ㄱ.

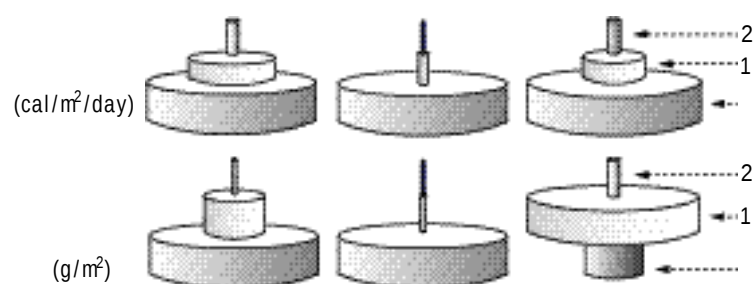
ㄴ. 가

ㄷ. 가

ㄹ.

ㄱ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄹ ㄷ, ㄹ

48.



_____ ?

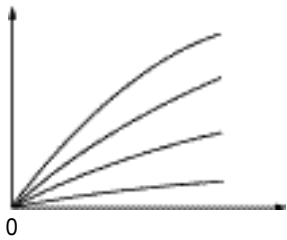
1 가

가1 가

가1 가

49. 가
 ,
 . (,
 ,
 .)

	(%)	가
	5	
	5	
	5	
	10	

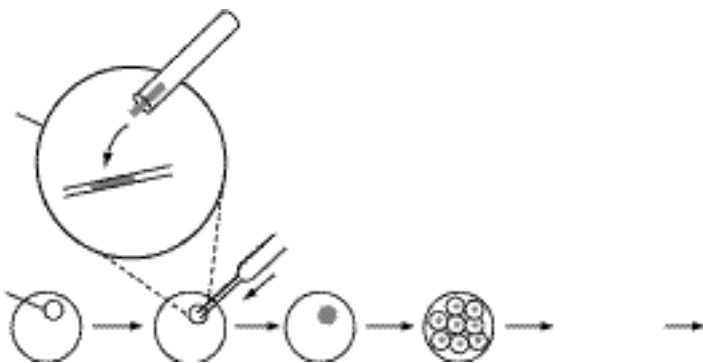


_____ ?

가 가
가 가

가

50.



< > ?

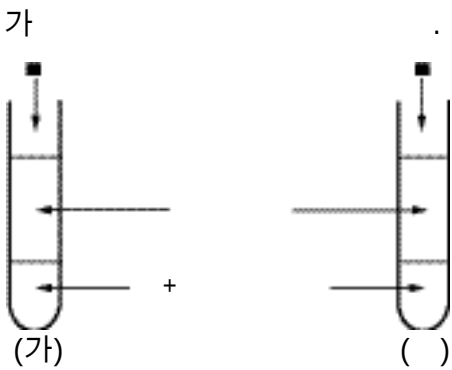
ㄱ.

ㄴ.

ㄷ.

ㄱ ㄴ ㄱ, ㄴ ㄴ, ㄷ ㄱ, ㄴ, ㄷ

51.

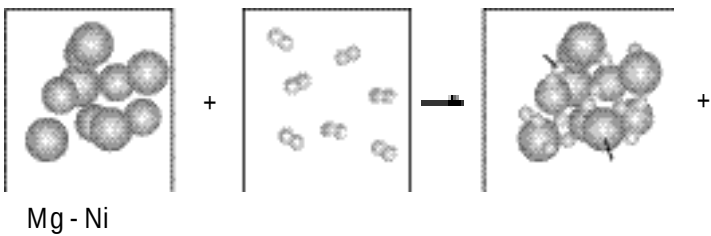


? (, < > .)

ㄱ. (가)
ㄴ. () 가
ㄷ. () pH 7

ㄱ ㄴ ㄱ, ㄴ ㄴ, ㄷ ㄱ, ㄴ, ㄷ

52. Mg - Ni



Mg - Ni < > ?

ㄱ. Mg - Ni
ㄴ. Mg - Ni 가
ㄷ. 가 ' Mg - Ni + '

ㄱ ㄴ ㄷ ㄱ, ㄴ ㄱ, ㄷ

53. < > 가

○

,

,

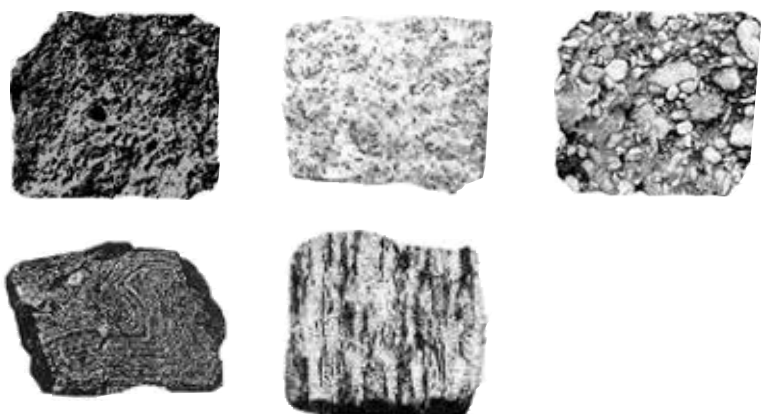
가

,

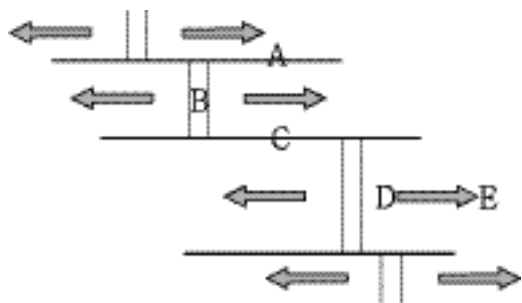
,

가

?



54.



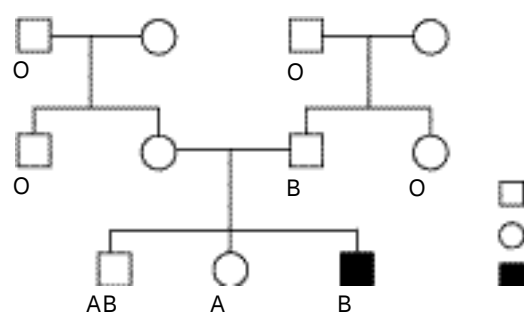
A
B
C
D E

가

55.

ABO

가



< >

?

[2]

ㄱ.

A

,

,

가

,

,

ㄴ.

AB

,

,

가

,

,

ㄷ.

B

,

,

가

,

,

ㄱ, ㄴ

ㄱ, ㄷ

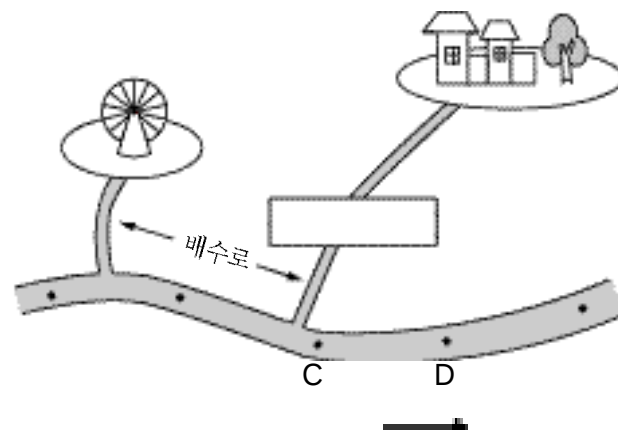
ㄴ, ㄷ

ㄴ, ㄹ

ㄷ, ㄹ

56.

DO BOD



(: ppm)

	A	B	C	D	E
DO	8.5	7.0	5.0	2.5	4.0
BOD	1.0	10.0	12.5	8.0	5.5

< >

?

ㄱ.

가

,

,

A

,

,

ㄴ.

A E

,

,

가

,

,

ㄷ.

B BOD가

,

,

가

,

,

ㄱ, ㄴ

ㄱ, ㄷ

ㄴ, ㄷ

ㄴ, ㄹ

ㄷ, ㄹ

57. 가 A가

(가) A
() A
() A가
() A

() ?

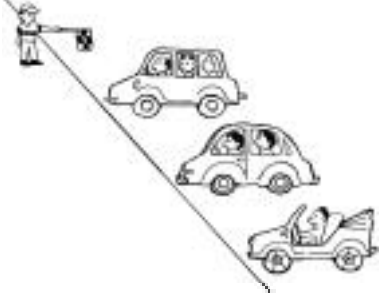
ㄱ. A
ㄴ. A
ㄷ.

ㄱ ㄴ ㄷ ㄱ, ㄴ ㄴ, ㄷ

58. 가

<가>

< >



(1) 가 3

(2) 1, 2, 3

(3)

(4) 20

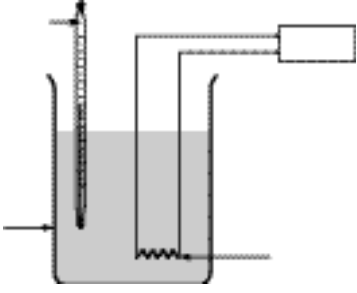
< > ?

ㄱ.
ㄴ.
ㄷ.

ㄱ ㄷ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

59.

< >



(1) 500 mL

(2) 50W 가

(3) 가 20℃ 30℃가

< > ?

ㄱ. 30℃ 가
ㄴ.
ㄷ.
ㄹ. , 가

ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ ㄴ, ㄹ ㄷ, ㄹ

60. A, B, C, D 가

○ A
○ B
○ C B
○ B C가
○ A D A가
(+)

A, B, C, D

? [2]

A	B	C	D	A	D	B	C
C	B	A	D	C	B	D	A
D	A	B	C				

61. 10

가

3℃

< >

? [2]

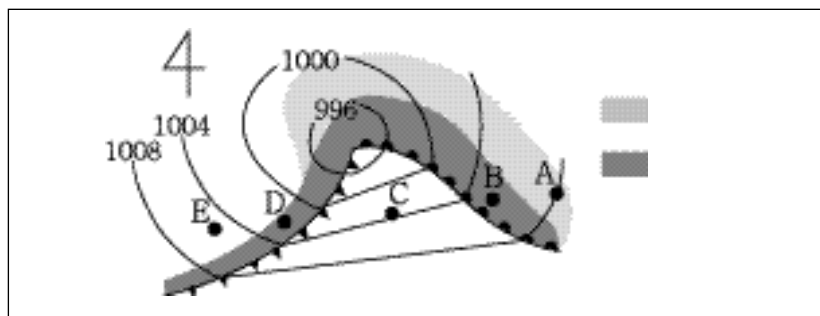
가

3℃

가

ㄴ ㄷ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

62.

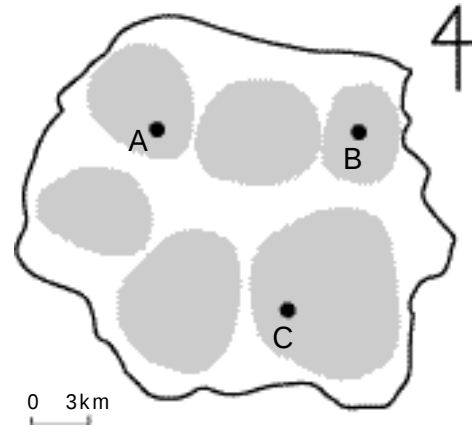


A, B, C, D, E
?

- A :
B : 가 가
C :
D : 가
E : 가

63.

가



가 A, B, C 30
pH

	A	B	C
pH	5.4	4.0	4.8

< >

?

가

ㄴ. A, B, C 가 가

ㄷ. (NO₃⁻) A C

ㄱ ㄴ ㄷ ㄱ, ㄴ ㄴ, ㄷ

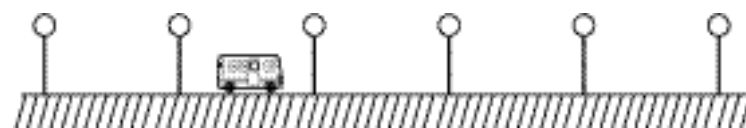
64.

가 가 가

가

6, 5, 4,

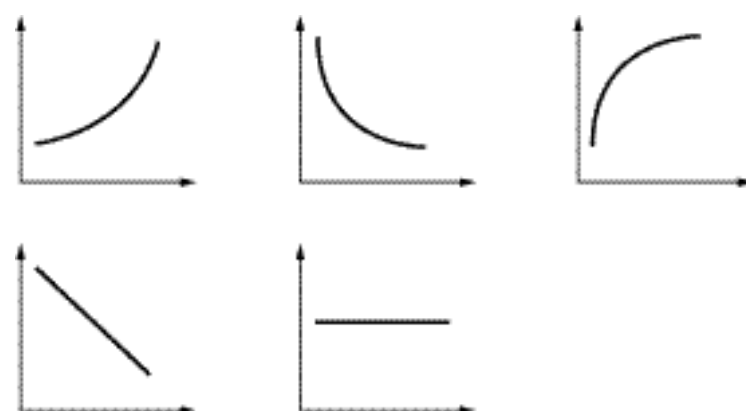
3, 2



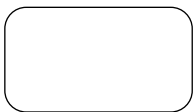
가

가

? [2]



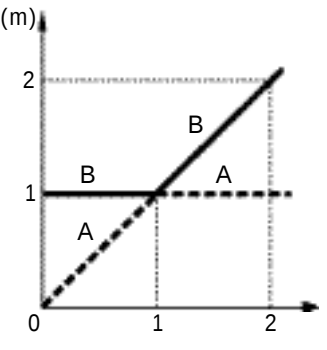
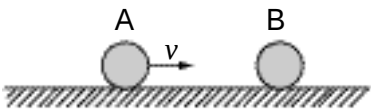
. 65



69. B A가

A, B

v



(,) ?

ㄱ. A

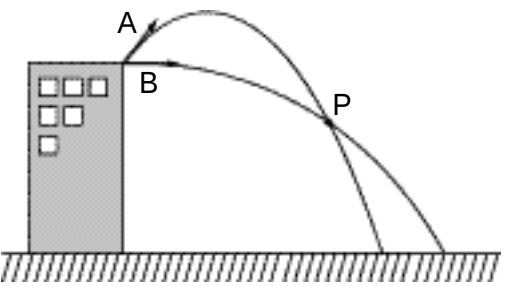
ㄴ. A B

ㄷ.

ㄴ ㄷ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

70. A, B

P 가



(,) ?

ㄱ. A

ㄴ. P A B

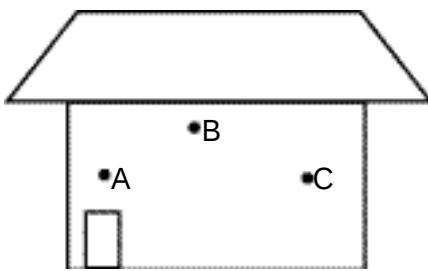
ㄷ.

ㄴ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ ㄱ, ㄴ, ㄷ

71.

A, B, C

(1) (,)



(2) 가 1

(,)

	A	B	C
	5℃	5℃	5℃
1	42℃	28℃	22℃

(,) ?

ㄱ.

ㄴ. A

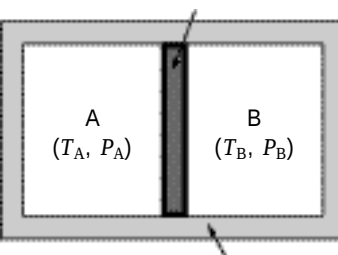
ㄷ. A C

ㄱ ㄴ ㄷ ㄱ, ㄷ ㄴ, ㄷ

72. 가 A B

T_A 가 T_B , P_A B

P_B



$T_A > T_B$
 $P_A < P_B$

A

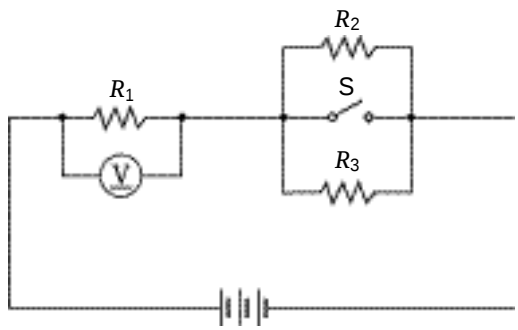
(,) ? (,) 가

A

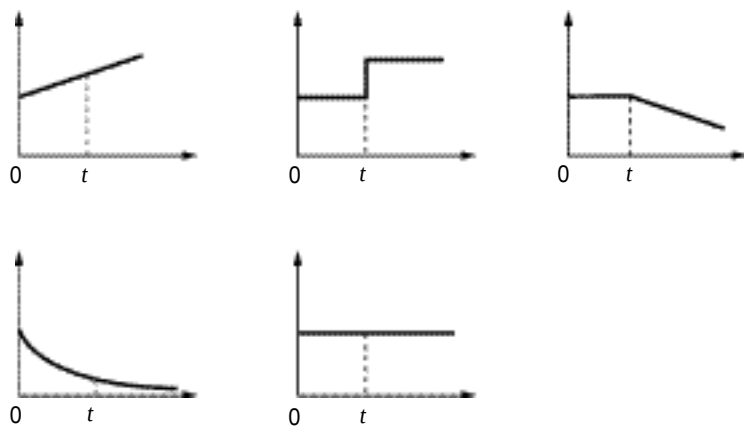
←
←
→
→
→

가

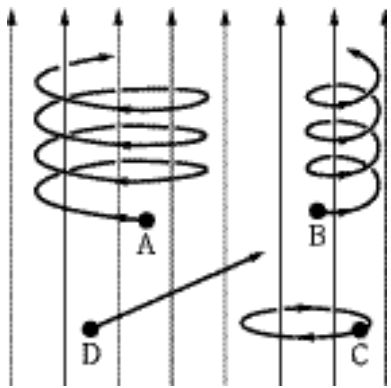
73. S t



R_1 가 가
? (, R_1, R_2, R_3 .)



74. D A, B, C,

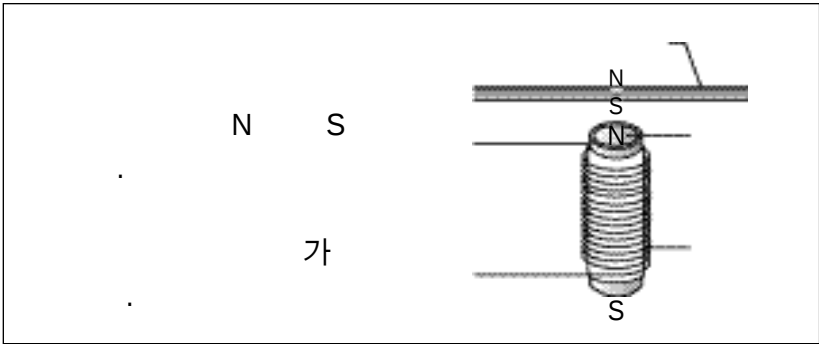


? [2]

☐ . A, B
☐ . C
☐ . D

☐ ☐ ☐ , ☐ ☐ , ☐ ☐ , ☐

75.



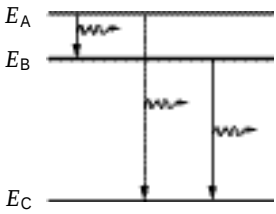
? [1]

☐ .
☐ .
☐ .

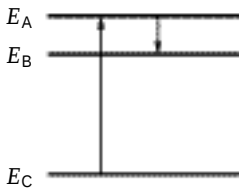
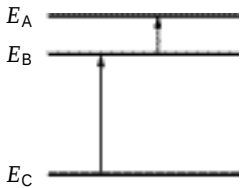
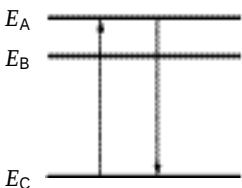
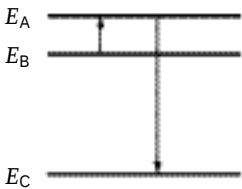
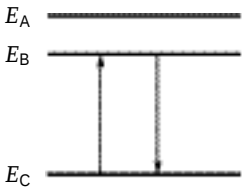
☐ ☐ ☐ , ☐ ☐ , ☐ ☐ , ☐

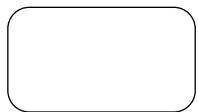
76.

가 E_A E_B E_C
 , E_A E_B E_C



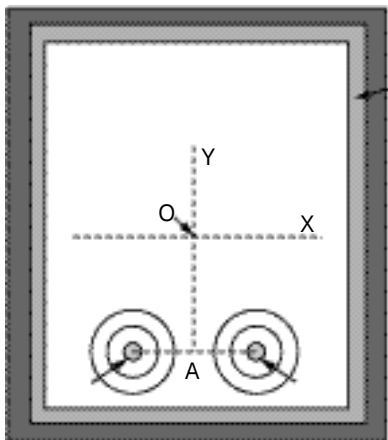
가 가 ?



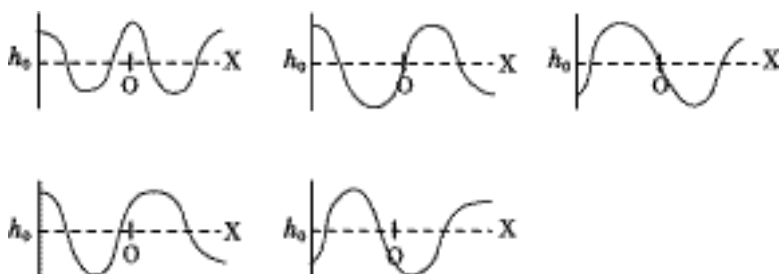


77.

가 가 X ? (, h_0 가 .)

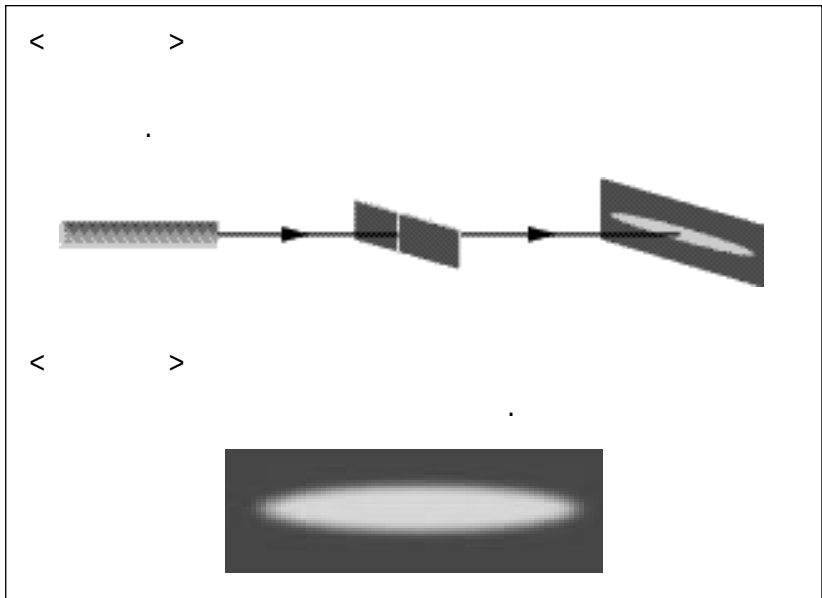


A :
Y : A
X : A
O : X Y

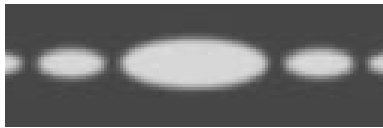


78.

가



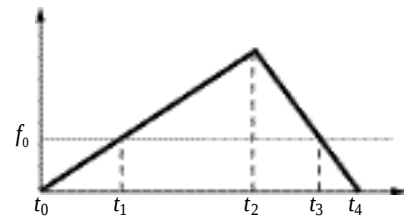
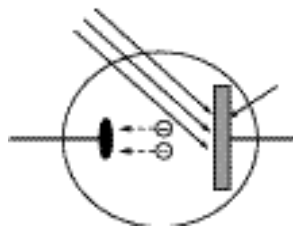
가 ? [2]



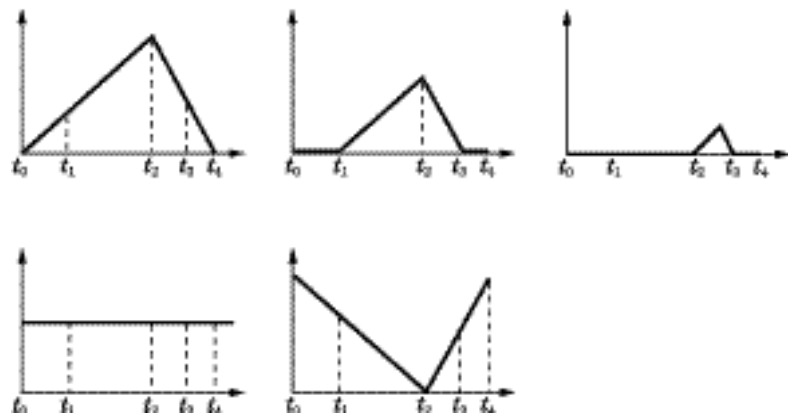
ㄱ.
ㄴ.
ㄷ.

ㄱ ㄴ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

79.



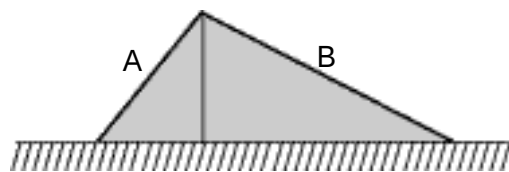
? (, f_0 ' , .)



80.

A, B

A B



A, B < >

? (, .)

ㄱ. B 가 .
ㄴ. B 가 .
ㄷ. A B 가 .

ㄱ ㄴ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

*
○
()

65.

-
-
-
-
-
-

</

[69~70]
(, A J) .

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	A																	
2													B	C				
3	D												E		F			
4		G						H									I	J

69. ?

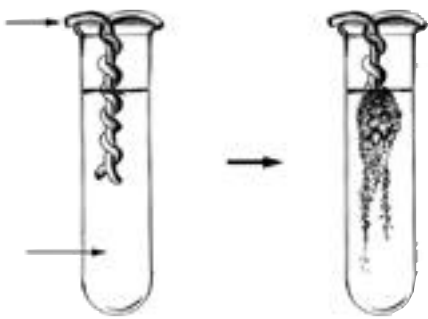
$1s^2 2s^2 2p^6 3s^2 3p^6$

0.197 nm , 0.099 nm

D F G H J

70. ? [1]

A_2C BF_2 C_2 DI E

71. $(AgNO_3)$ (Cu) ,
 (Ag)
.

< > ?

ㄱ.

ㄴ.

ㄷ.

ㄹ.

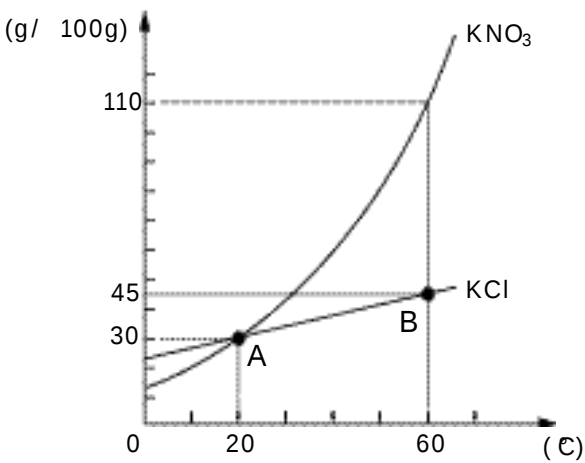
ㄱ, ㄴ

ㄱ, ㄷ

ㄴ, ㄹ

ㄱ, ㄴ, ㄷ

ㄱ, ㄴ, ㄹ

72. (KNO_3) (KCl)
.

< >
? (, KNO_3 101.1, KCl 74.6) .

ㄱ. A

ㄴ. B

ㄷ. 60 ℃

80g

110g

20 ℃

45%

ㄱ

ㄴ

ㄷ

ㄱ, ㄴ

ㄴ, ㄷ

73. 가

			(℃)
	H H H C O H H	46	78
	O H C O H	46	101
	H H H C C H H H	44	- 42

< >

?

ㄱ.

ㄴ.

ㄷ.

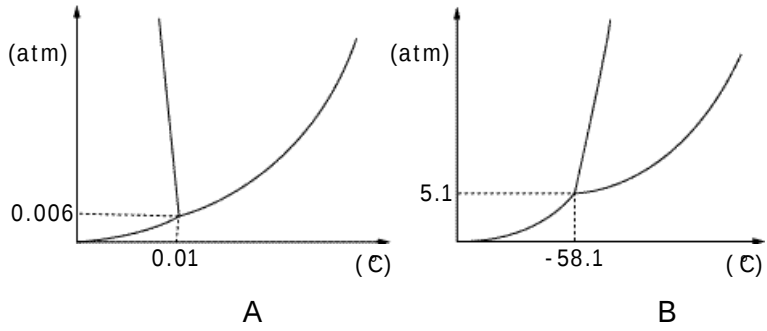
ㄹ.

ㄷ.

ㄹ.

ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ ㄴ, ㄹ ㄷ, ㄹ

74. A B



< >

?

ㄱ.

ㄴ.

ㄷ.

ㄹ.

A 0.01℃

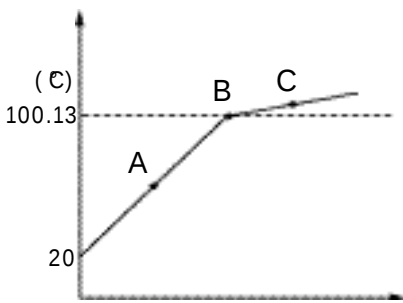
B 20℃, 1

1 A B

A B

ㄱ, ㄷ ㄱ, ㄹ ㄴ, ㄹ
ㄱ, ㄴ, ㄷ ㄴ, ㄷ, ㄹ

75. 500 g 1 가



< >

?

(, K_b 0.52 ℃/m) [2]

ㄱ. A

C

가

ㄴ. B

1

0.5 m

ㄱ ㄴ ㄷ ㄱ, ㄴ ㄱ, ㄷ

76. 가

$2\text{C}(s, \text{ }) + 3\text{H}_2(g) + \frac{1}{2}\text{O}_2(g) \rightarrow \text{C}_2\text{H}_5\text{OH}(l)$	$\Delta H_1 = -278 \text{ kJ/}$
$\text{C}(s, \text{ }) + \text{O}_2(g) \rightarrow \text{CO}_2(g)$	$\Delta H_2 = -394 \text{ kJ/}$
$\text{H}_2(g) + \frac{1}{2}\text{O}_2(g) \rightarrow \text{H}_2\text{O}(l)$	$\Delta H_3 = -286 \text{ kJ/}$

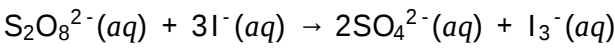
(ΔH)

?

$\text{C}_2\text{H}_5\text{OH}(l) + 3\text{O}_2(g) \rightarrow 2\text{CO}_2(g) + 3\text{H}_2\text{O}(l)$	$\Delta H = ?$
--	----------------

$$\Delta H = \Delta H_1 + \Delta H_2 + \Delta H_3$$
$$\Delta H = \Delta H_1 - \Delta H_2 - \Delta H_3$$
$$\Delta H = \Delta H_2 + \Delta H_3 - \Delta H_1$$
$$\Delta H = \Delta H_1 - 2\Delta H_2 - 3\Delta H_3$$
$$\Delta H = 2\Delta H_2 + 3\Delta H_3 - \Delta H_1$$

77. (S₂O₈²⁻) (I⁻)



	(/L)		(/L · s)
	[S ₂ O ₈ ²⁻]	[I ⁻]	
	0.10	0.10	6.0 × 10 ⁻⁵
	0.20	0.10	1.2 × 10 ⁻⁴
	0.20	0.20	2.4 × 10 ⁻⁴
	0.30	0.20	(가)

(v)

$v = k[S_2O_8^{2-}]^m[I^-]^n$ (k

[I⁻] n 가

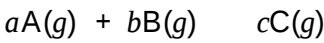
(가)

? [2]

(가)

- 3.6 × 10⁻⁴
- 3.6 × 10⁻⁴
- 3.6 × 10⁻⁴
- 4.8 × 10⁻⁴
- 4.8 × 10⁻⁴

78. C (%)



	300 ℃	500 ℃	700 ℃
100	52.0	10.6	2.2
300	71.0	26.4	7.3
600	84.2	42.2	12.6

< >

?

가. 가

나. 가

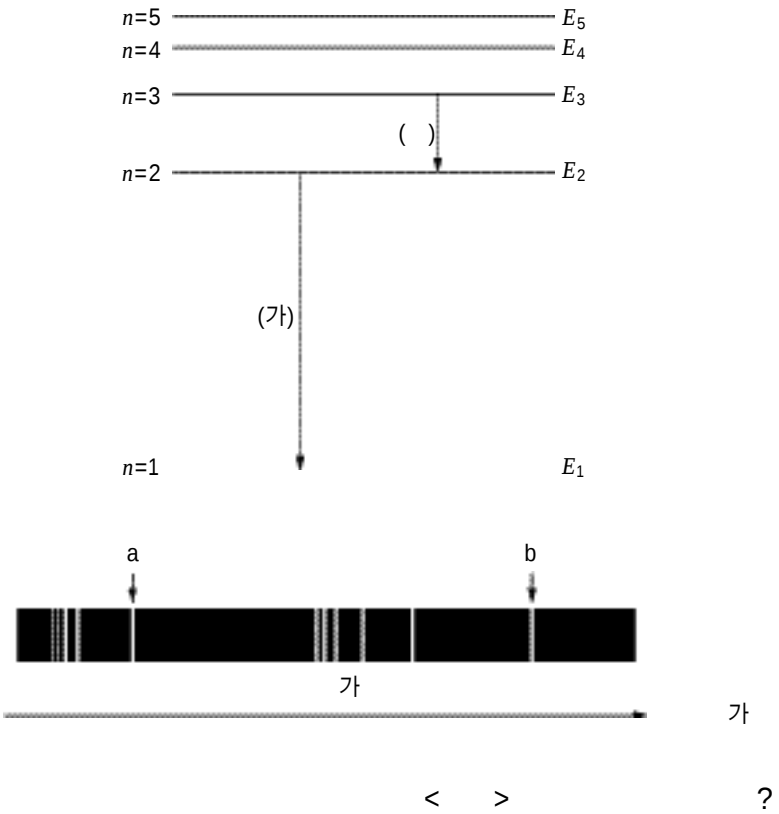
다.

라. a b c

가,나 가,다 가,라 나,다 다,라

79. 가

(, $E_n = -\frac{1312}{n^2} \text{ kJ/}$.)



가. (가) a

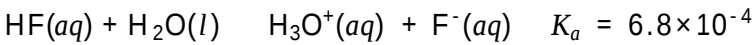
나. ()

다. b a

가 다 가, 나 나, 다 가, 나, 다

80. -

(, K_a 25 ℃ .)



< > ?

가. F⁻ H₃O⁺

나. H₂O

다. HF H₃O⁺

가 나 가, 다 나, 다 가, 나, 다

*
°

°
()

65. 가

○ ,
○ ,
○ .

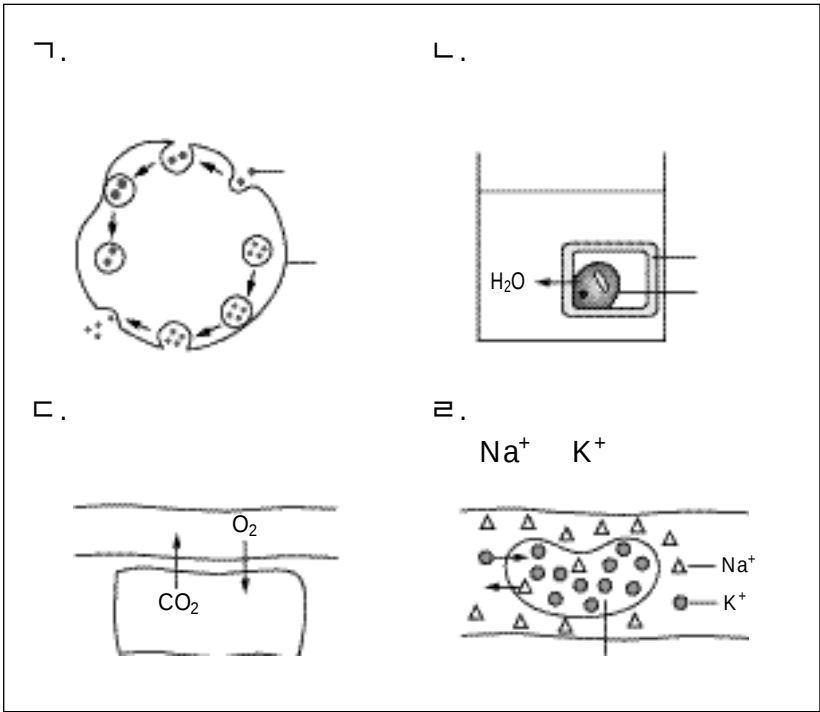
< >

? [1]

ㄱ. pH
ㄴ.
ㄷ.

ㄱ ㄴ ㄷ ㄱ, ㄷ ㄴ, ㄷ

66.

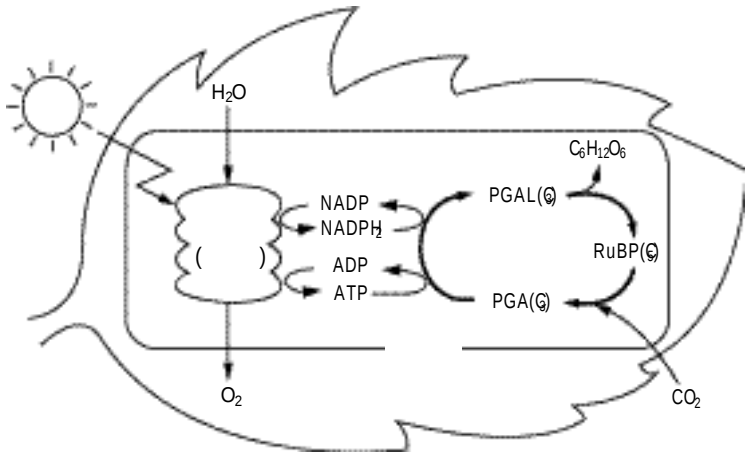


가

?

ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ ㄴ, ㄷ ㄷ, ㄷ

67.

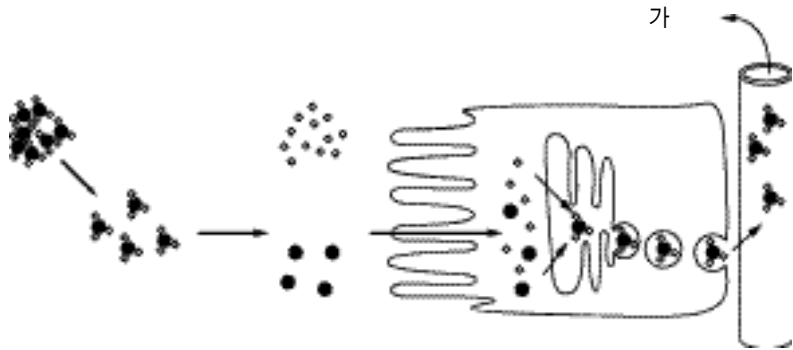


< > ?

ㄱ. O₂ CO₂
ㄴ.
ㄷ. ATP NADPH₂
ㄹ. RuBP CO₂
PGA가

ㄱ, ㄴ ㄴ, ㄷ ㄷ, ㄹ
ㄱ, ㄷ, ㄹ ㄴ, ㄷ, ㄹ

68.



가

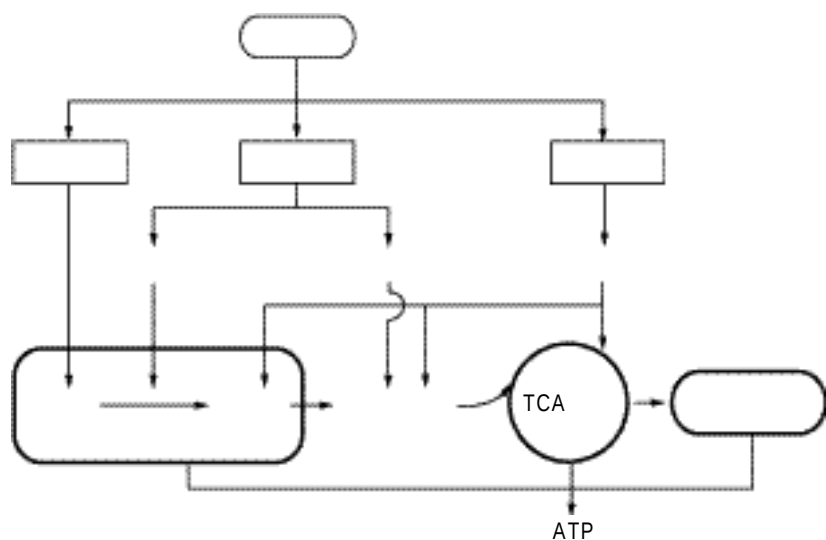
< > ?

ㄱ.
ㄴ.
ㄷ.
ㄹ. ()

ㄱ, ㄷ ㄴ, ㄷ ㄷ, ㄹ
ㄱ, ㄷ, ㄹ ㄴ, ㄷ, ㄹ

69.

가

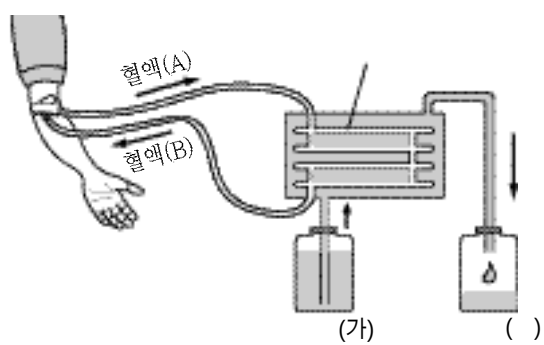


< > ?

ㄱ. 가
 ATP
 ㄴ.
 ㄷ. TCA
 ㄹ.

ㄱ, ㄴ ㄱ, ㄷ ㄷ, ㄹ
 ㄱ, ㄷ, ㄹ ㄴ, ㄷ, ㄹ

70.



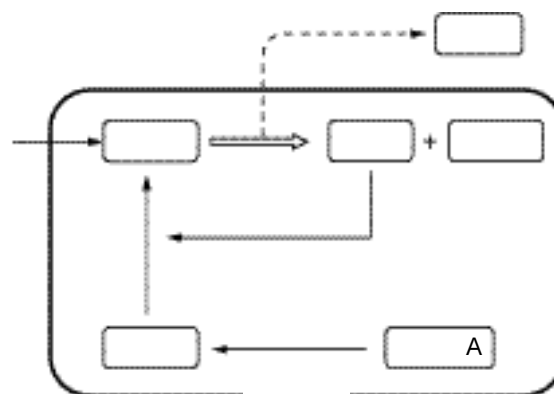
< >

?

ㄱ. (A) (B) 가
 ㄴ. (가) () 가
 ㄷ. (A) ()

ㄱ ㄴ ㄷ ㄱ, ㄴ ㄴ, ㄷ

71.



< > ?

ㄱ. 가
 ㄴ.
 ㄷ. A
 ㄹ.

ㄱ, ㄴ ㄱ, ㄷ ㄱ, ㄹ ㄴ, ㄷ ㄷ, ㄹ

72.

가

.(, 16 .)

()					

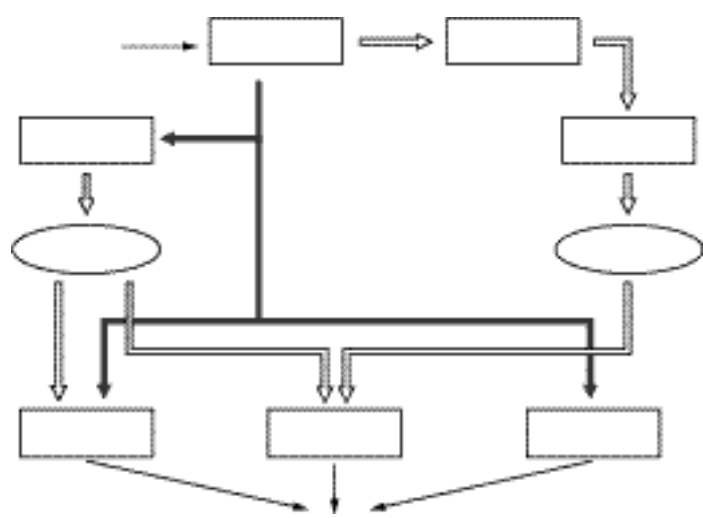
< >

? [2]

ㄱ. 가
 ㄴ.
 ㄷ.
 ㄹ.

ㄱ, ㄴ ㄱ, ㄹ ㄴ, ㄷ ㄴ, ㄹ ㄷ, ㄹ

73.



< > ?

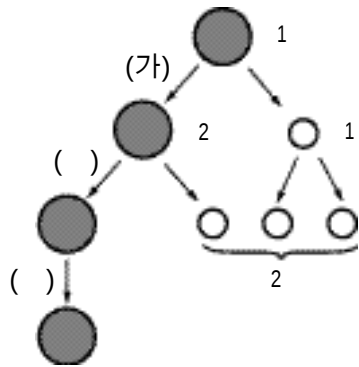
ㄱ.

ㄴ.

ㄷ.

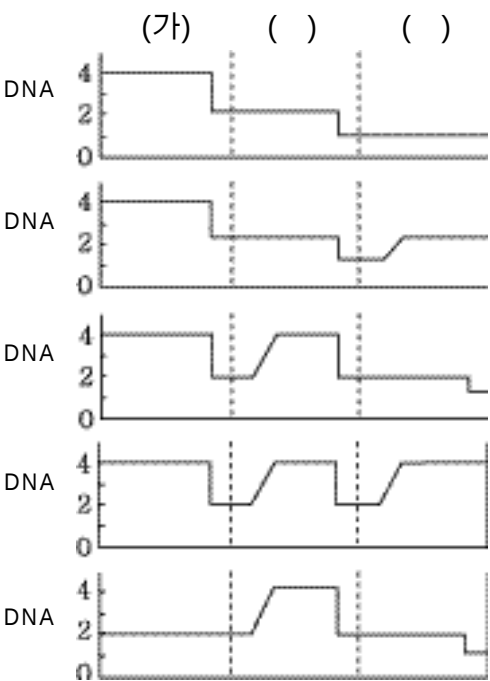
ㄱ ㄴ ㄷ ㄱ, ㄴ ㄱ, ㄴ, ㄷ

74.



(가), (), () DNA

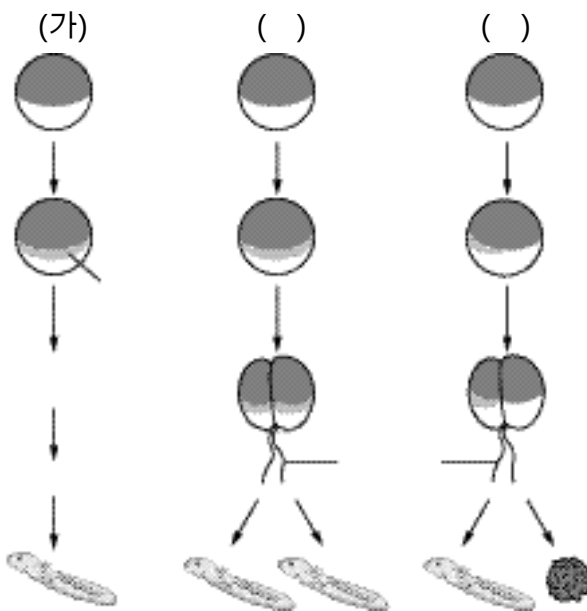
?



75.

(가)

() ()



< >

?

ㄱ. (가) 2 가

ㄴ. () 가

ㄷ. 가

ㄹ.

ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ ㄴ, ㄹ ㄷ, ㄹ

76.

가

	44+XX, 44+XY	
	44+XX, 44+XY	5
	44+X	X 1
	44+XXY	X 1
	45+XX, 45+XY	21 1

< > ?

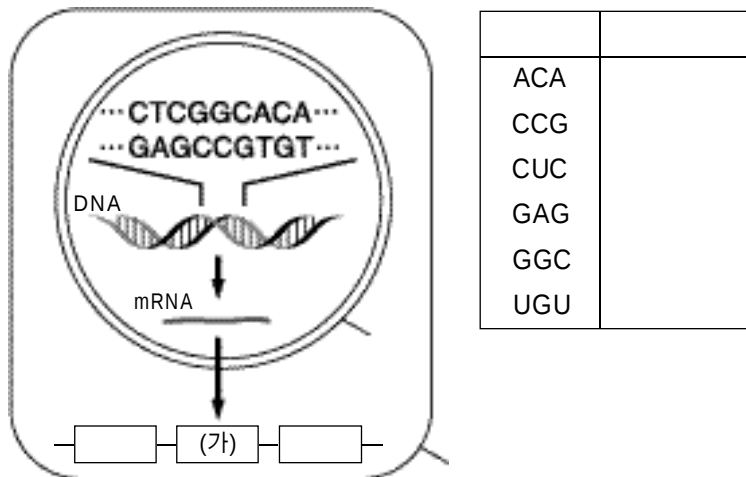
ㄱ.

ㄴ. 가 가

ㄷ.

ㄱ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ ㄱ, ㄴ, ㄷ

77.

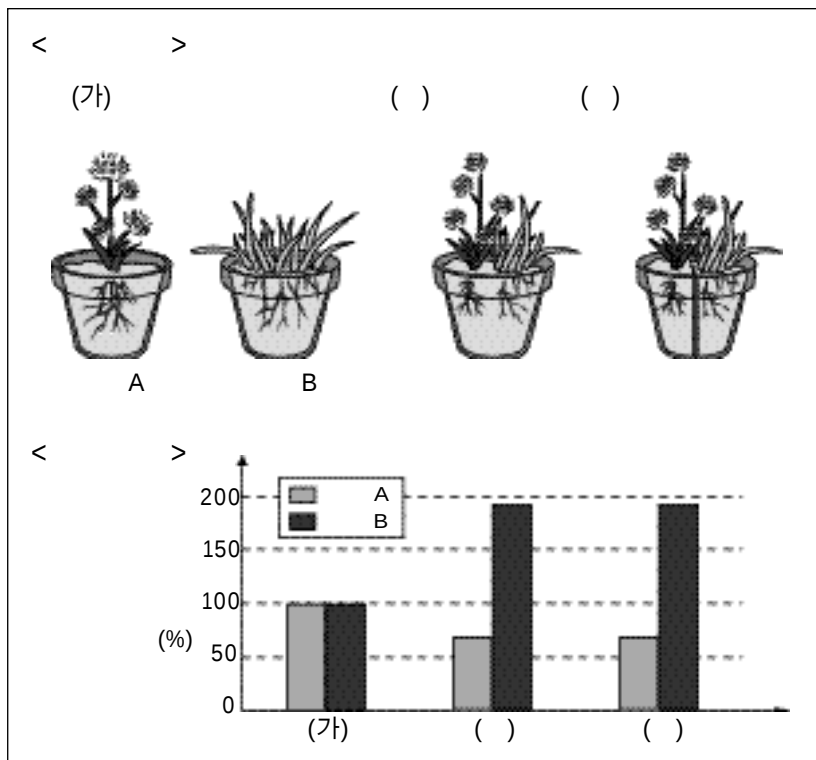


? [2]

ㄱ. (가)
 ㄴ. mRNA ...CUCGGGCACA...
 ㄷ. DNA 가 ...CTCGGCACA...
 ㄹ. mRNA ,

ㄱ, ㄴ ㄱ, ㄹ ㄴ, ㄷ ㄴ, ㄹ ㄷ, ㄹ

78.

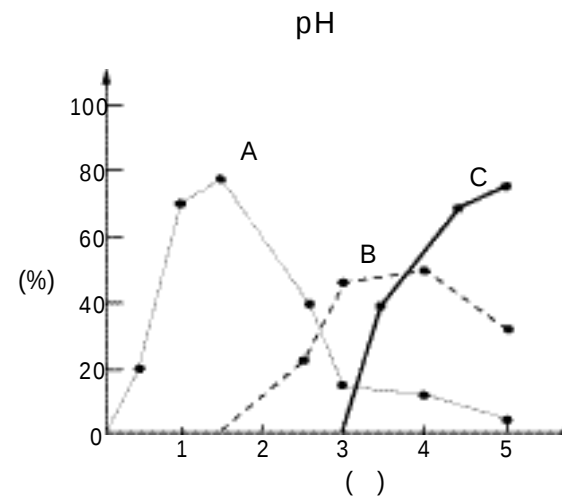


? [1]

ㄱ.
 ㄴ.
 ㄷ.

ㄱ ㄴ ㄷ ㄱ, ㄷ ㄴ, ㄷ

79.



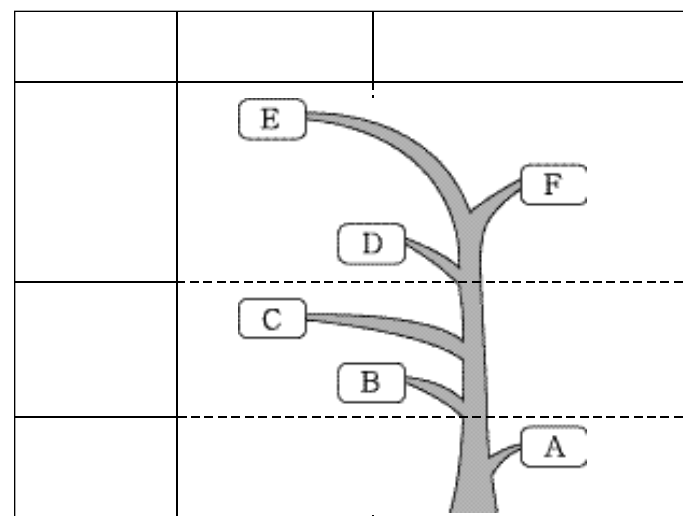
()	0	1	2	3	4	5
pH	8.2	6.8	6.7	6.3	5.5	5.2

< > ?

ㄱ. 가 5
 ㄴ. A → B → C 가
 ㄷ. B C
 ㄹ. A

ㄱ, ㄴ ㄱ, ㄷ ㄱ, ㄹ ㄴ, ㄷ ㄷ, ㄹ

80.

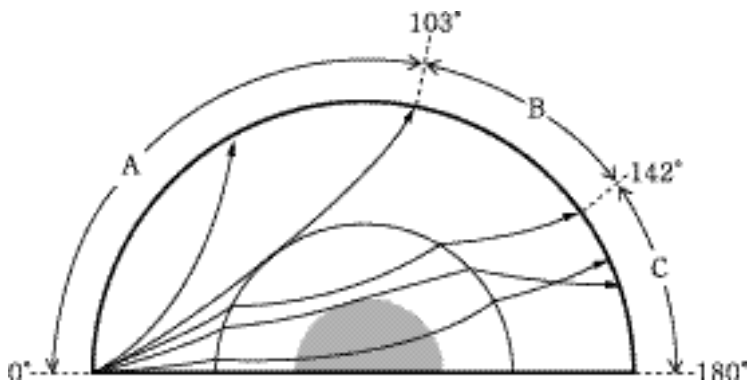


?

A
 B
 C
 D
 E F

*
 °
 ()
 °

65.

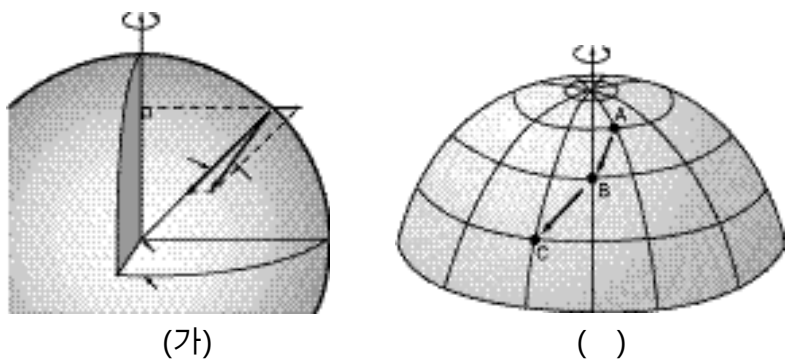


? [1]

ㄱ. A	S	, C	P	.
ㄴ. B				.
ㄷ.			가	

ㄱ ㄷ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

66. (가)



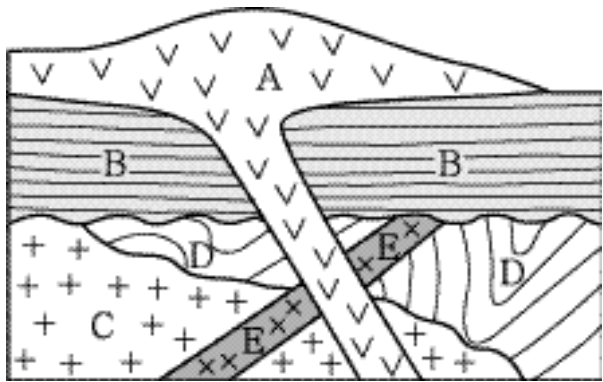
()

A → B → C

?

67.

. A, B, C, D, E

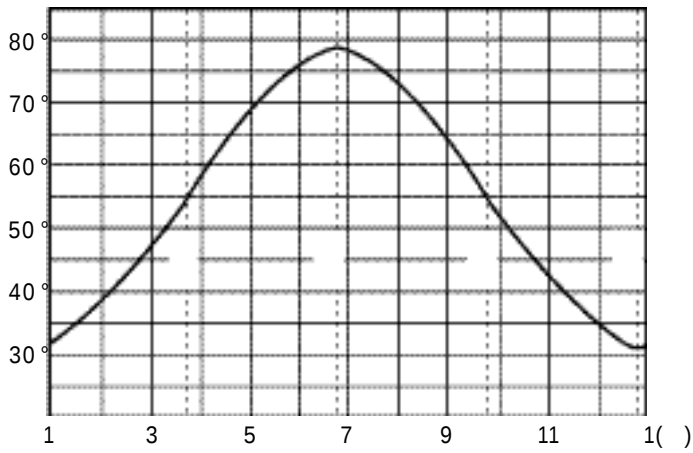


?

A B C D E

68.

1



< >

?

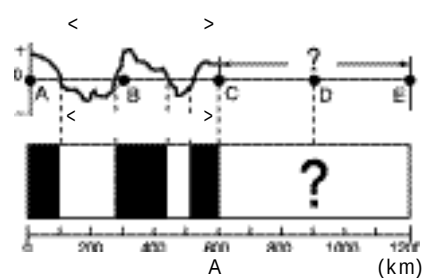
ㄱ.	가
ㄴ.	가 55°
ㄷ.	35°
ㄹ.	가

ㄱ ㄴ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

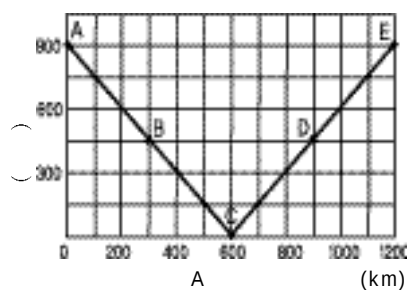


69. (가)

()



(가)

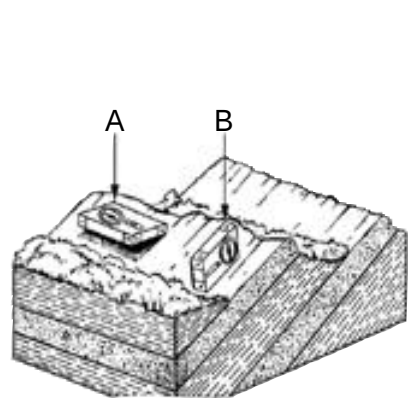


()

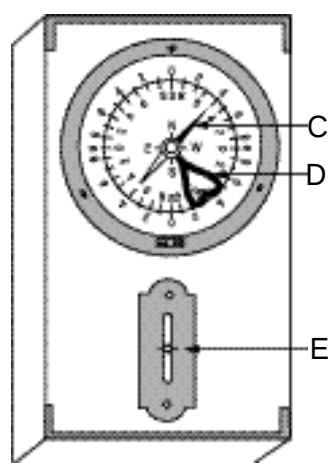
(가) C E
가 ?



70. (가)
()



(가)



()

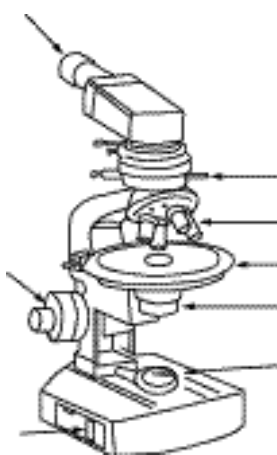
?

A, C B, D
B, C, E B, D, E

A, C, E

71.

< >



_____ (ㄱ) _____
 _____ (ㄴ) _____
 360°
 (ㄷ) _____

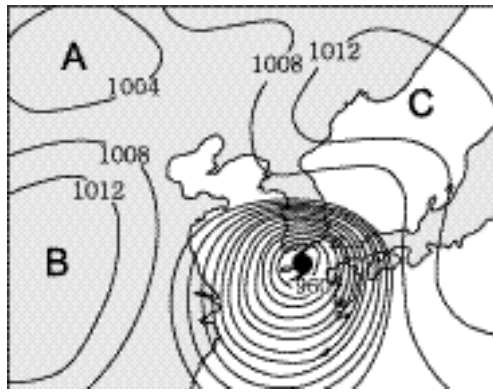
가 ? [1]
(ㄱ) (ㄴ) (ㄷ)

72. < > ?

ㄱ. 가
 ㄴ. 가
 ㄷ. 가

ㄱ ㄴ ㄱ, ㄴ ㄱ, ㄷ ㄴ, ㄷ

73. 가 8 31
9 .



< >

?

$\neg$.	
$\perp$.	$A \rightarrow B$, C .
$\sqsubset$.	

$$\neg \quad \sqsubset \quad \neg, \sqcup \quad \neg, \sqsubset \quad \sqcup, \sqsubset$$

74. (가)
()

(m)	(c)
0()	30
500	25
1,000	20
1,500	16
2,000	14
2,500	15

(71)

	1 °C/100m
	0.5 °C/100m
	0.2 °C/100m

()

가

< >

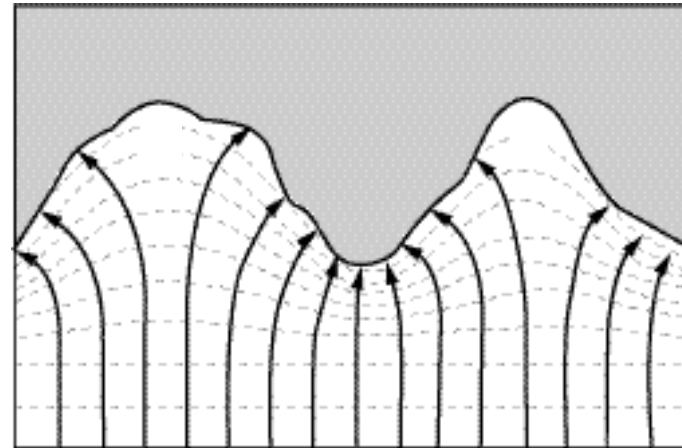
? (, 22 C

.) [2]

ㄱ.	1,000m	.
ㄴ. 가	2,000m	2,500m .
ㄷ.	2,000 m	
	10 ℃	.

$\neg$	$\perp$	$\neg, \perp$	$\neg, \sqsubset$	$\perp, \sqsubset$
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86				

75. 가



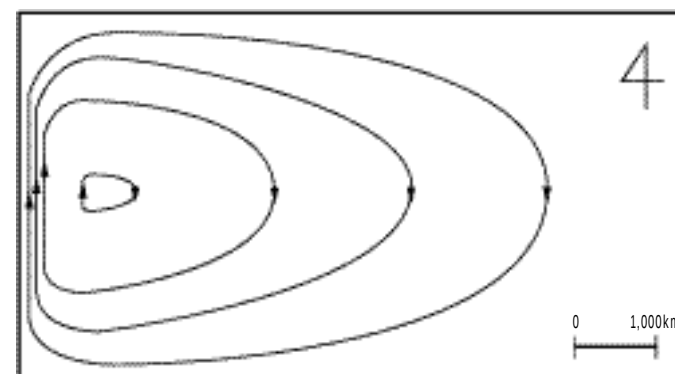
< >

?

7.	.
8.	.
9.	.

$$\neg \quad \quad \quad \perp \quad \quad \quad \neg, \perp \quad \quad \quad \neg, \sqsubset \quad \quad \quad \perp, \sqsubset$$

76.



< >

?

ㄱ.	.
ㄴ.	가 .
ㄷ.	가
.	.

$$\neg \quad \sqsubset \quad \neg, \sqcup \quad \neg, \sqsubset \quad \sqcup, \sqsubset$$

77.

30

H - R

- 10 +15

O M

(a)

(b)

H - R

? [2]

ㄱ.

(a)

+15

, (b)

-10

.

ㄴ.

(가)

가 5

, (가)

100

.

ㄷ.

()

.

ㄱ

ㄴ

ㄱ, ㄴ

ㄱ, ㄷ

ㄴ, ㄷ

78.

()

1

1.6

2.5

4

6

10

-0.4

-0.8

-1.2

-1.6

-2.0

-3.0

< > ?

?

ㄱ.

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ㄴ.

4

,

-1.6

.

ㄷ.

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ㄱ

ㄴ

ㄱ, ㄴ

ㄱ, ㄷ

ㄴ, ㄷ

79.

6

A, B, C

, 6

A₁, B₁, C₁

, 12

A₂, B₂, C₂

.

< > ?

ㄱ.

A

0.25"

.

ㄴ.

B

.

ㄷ.

A

C

.

ㄱ

ㄷ

ㄱ, ㄴ

ㄱ, ㄷ

ㄴ, ㄷ

80.

(가) ()

10 Mpc

20Mpc

가

.

< > ?

ㄱ.

(가)

,

()

.

ㄴ.

()

가

,

가

.

ㄷ.

(가)

()

.

ㄱ

ㄷ

ㄱ, ㄴ

ㄱ, ㄷ

ㄴ, ㄷ

*

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()

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