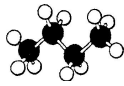


0 0

1



A 1

B 1 2

C

D 3

2 4



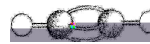
3

A

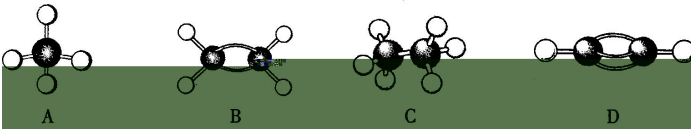
B

C

D



4



5

A

B

C

D



6

CH<sub>4</sub>

)



A

B

C

D

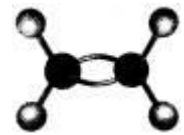
7

A CH<sub>3</sub>CH<sub>3</sub>

B CH<sub>2</sub>=CH<sub>2</sub>

C CH<sub>3</sub>COOH

D CH<sub>3</sub>CH<sub>2</sub>OH



8

A C<sub>2</sub>H<sub>5</sub>OH

B CCl<sub>4</sub>

C C<sub>2</sub>H<sub>6</sub>

D CH<sub>3</sub>COOH

9

A

B

C

D

10

A C<sub>2</sub>H<sub>4</sub>+3O<sub>2</sub>==2CO<sub>2</sub>+2H<sub>2</sub>O

B CH<sub>2</sub>=CH<sub>2</sub>+Br<sub>2</sub>→BrCH<sub>2</sub>CH<sub>2</sub>Br

C 2CH<sub>3</sub>CH<sub>2</sub>OH+2Na→2CH<sub>3</sub>CH<sub>2</sub>O Na +H<sub>2</sub>↑

D CH<sub>3</sub>COOH + CH<sub>3</sub>CH<sub>2</sub>OH→CH<sub>3</sub>COOC<sub>2</sub>H<sub>5</sub> + H<sub>2</sub>O

11

A

B

C

D

KmnO<sub>4</sub>

12

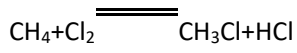
A

B

C

D

13



A B C D

14

A B  
C D

15

A B  
C D

16

A B C D E

1

2  $\text{CaCO}_3, \text{Mg(OH)}_2$

3

4 " "

" "

17

5 A B C D E

1

3

4

5

" " " "

18

A B C D E

1

3

4

$\text{Cu(OH)}_2$

" " " "

19

A B C D E

1

2

3

5

$\text{CaCO}_3, \text{Mg(OH)}_2$

4

20

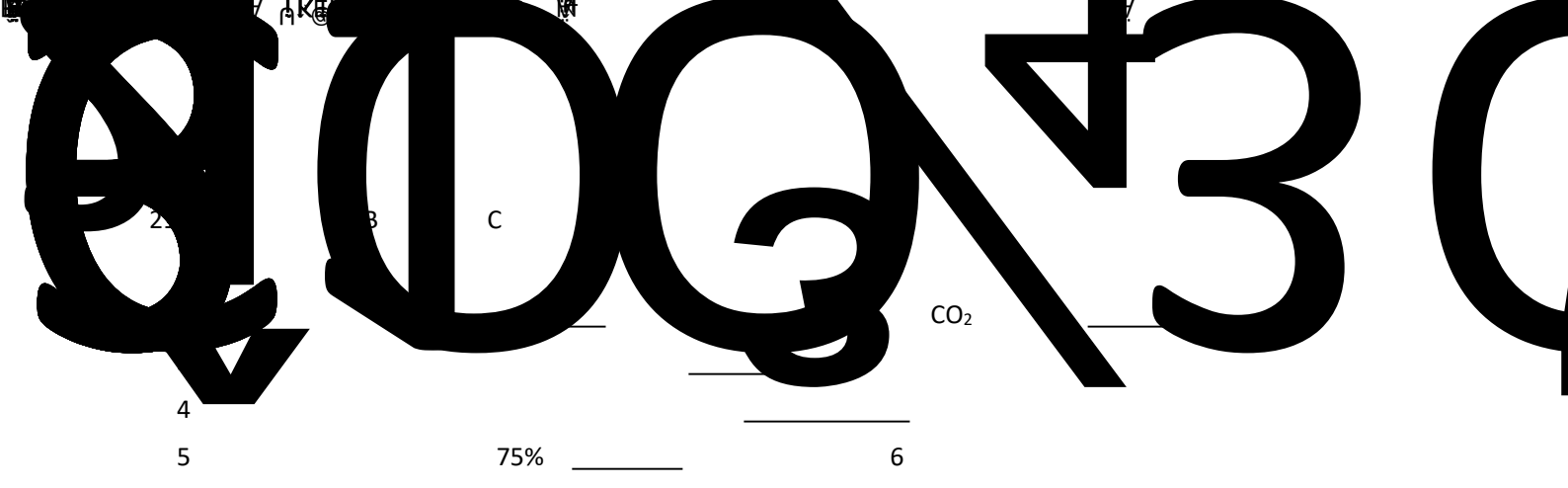
A B C D E F

1

3

5

2 4 6



1 C H  
2 CH<sub>4</sub>

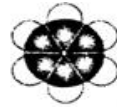


3 C<sub>2</sub>H<sub>4</sub> CH<sub>2</sub>=CH<sub>2</sub>



CCl<sub>4</sub>

4 C<sub>6</sub>H<sub>6</sub>



CCl<sub>4</sub>

Br<sub>2</sub>

5 CH<sub>3</sub>CH<sub>2</sub>OH —OH

75%

6 CH<sub>3</sub>COOH —COOH

7 36-40%

8

9

10

11

Na<sub>2</sub>SO<sub>4</sub>

12