! "#$%&'( )*+ , - -$. /0*12%'34'%5 .267*' /*8 , (9*

.

. O_2

, , ,

. ,

. G

L , ,

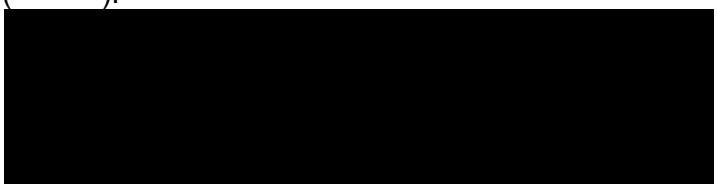
. , G A G B 2:1

. F

.

Materials:

- - (*you provide*)
- 10 - (*we provide*, *return valves*). G : O_2 ( );
  : H_2; CH_4 (,); $H_2C=CH_2$ ( ); $CH_3CH_2CH_3$ ( ),
  $CH_3CH_2CH_2CH_3$ ( ).



- 10 (*we provide*, *please return*)
- 10 (*we provide*, *please return*)
- 1 (*we provide*, *please return*)
- 30 G (*we provide*, *please return*)
- 35 (*we provide*)

! "#$%&'( )%$*+' L . . 90%

.

. .

:

1. K !! I

.

2. A

. I

.

!! ,

. B O_2
O_2 .

.

. O

.

(O_2) 5 L
, , .
.

N *especially*
. ! I ,
. I

.

(
).
( ) .

G ( )
.

,
60 L . F , 4:1 O_2/
40 L O_2 10 L
50 . 48 L O_2 12 L
4:1 .

N (O_2 &
) .

But before you start blowing a bubble, expel about 5 ml of gas from the wn5abs5rinopacwrmoutitdciwd lrtiwdass

—

. I (2 3)
. 45-50 , OK 90 . O
,
O_2 &
.
I ,
(. ., C_4H_{10},
).

:

1.
2. # CO_2 = #
3. # H_2O = #
4. # O_2 = # CO_2 + # H_2O (OK 3.5)
5. D
6. I O_2, 2.