

## BLOOD GAS INTERPETATION

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

**DIRECTIONS:**

A DESCRIBE THE ACID/BASE STATUS  
 B DESCRIBE THE TYPE OF COMPENSATION

C EVALUATE OXYGENATION  
 D EXPLAIN YOUR RECOMMENDATIONS

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
1	7.48	32	59	91	15.0	2.2	24	12
FI02=21 RR=19 HR=102								
A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
2	7.36	33	76	94.4	7.9	1.5	18	6
FI02=21 RR=22 HR=160 ANXIOUS 78 YRS OLD								
A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
3	7.21	12	118	97	20.1	1.1	5	15
FI02=21 RR=28 HR=105 COMATOSE								
A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
4	7.56	25	48	79	15.2	3.1	26	14
FI02=.6 RR=18 HR=109								
A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
5	7.29	55	40	73	15.0	3.2	22	15
FI02=21 RR=12 HR=80								
A								
B								
C								
D								

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#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
6	7.50	51	80	97	20.0	4.1	18	15

FIO2=21 RR=14 HR=92

A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
7	7.40	35	80	97	20.0	1.1	16	15

FIO2=21 RR=12 HR=92

A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
8	7.04	85	45	60	14.0	5.0	28	17

FIO2=.5 VENTI RR=21, IRREGULAR, UNRESPONSIVE

A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
9	7.30	75	72	92	21.5	4.4	31	17

FIO2=.28 VENTI RR=20 HR=110 ALERT

A								
B								
C								
D								

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
10	7.62	48	81	97	18.7	2.2	36	14

FIO2=21 RR=12 HR=78 ANXIOUS COLOR=PINK

A								
B								
C								
D								

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#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
11	7.30	62	51	77	19.0	4.4	32	18

FIO2=2 L/M NC RR=20 HR=110 BS=DIMINISHED

A	
B	
C	
D	

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
12	7.33	48	70	82	11.4	6.8	20	10

FIO2=.28 VENTI RR=22 LETHARGIC COLOR=PALE

A	
B	
C	
D	

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
13	7.70	50	69	81	16.7	4.1	39	15

FIO2=21 RR=10 HR=115

A	
B	
C	
D	

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
14	7.62	21	372	65	13.3	31	22	14

FIO2=.50 AM RR=24 HR=140 COLOR=PINK

A	
B	
C	
D	

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
15	7.40	40	170	98	20.5	1.1	24	15

FIO2=.40 VENTI RR=10 HR=75

A	
B	
C	
D	

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#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
16	7.51	19	54	80	17.6	2.4	25	16

FIO2=.50 AM RR=27 HR=140

A	
B	
C	
D	

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
17	7.11	59	40	70	7.7	2.8	14	8

FIO2=6 L/M NC RR=30 SHALLOW HR=140 ANXIOUS, ALERT

A	
B	
C	
D	

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
18	7.38	43	82	98	20.2	2.1	23	15

FIO2=21 RR=14 HR=66 ALERT

A	
B	
C	
D	

#	pH	PCO2	PO2	O2 SAT	CaO2	%CO	HCO3	Hb
19	7.41	37	150	99	21.9	2.2	24	16

FIO2=21 RR=16 HR=90 BS=CLEAR

A	
B	
C	
D	