

TABLE 1.13

<b>Morphometric Data of a Pulmonary Arterial Network (from [28])</b>			
Order <sup>a</sup>	Mean Vessel Diameter (mm)	Mean Vessel Length (mm)	Number of Vessels
1	0.024	0.116	300,358
2	0.044	0.262	97,519
3	0.073	0.433	31,662
4	0.122	0.810	9,736
5	0.192	1.510	2,925
6	0.352	2.720	774
7	0.533	4.600	202
8	0.875	8.190	49
9	1.519	14.26	12
10	2.486	11.87	4
11	5.080	25.00	1

<sup>a</sup>The smallest arterioles are vessels of order 1, and the pulmonary artery is of order 11.

TABLE 1.14

<b>Morphometric Data for the Bronchi of a Human Lung</b>			
Order <sup>a</sup>	Mean Diameter (mm)	Mean Length (mm)	Number of Bronchi
0	18	120	1
1	12.2	47.6	2
2	8.3	19	4
3	5.6	7.6	8
4	4.5	12.7	16
5	3.5	10.7	32
6	2.8	9	64
7	2.3	7.6	128
8	1.86	6.4	256
9	1.54	5.4	512
10	1.3	4.6	1,024
11	1.09	3.9	2,048
12	0.95	3.3	4,096
13	0.82	2.7	8,192
14	0.74	2.3	16,384
15	0.66	2	32,768
16	0.6	1.65	65,536
17	0.54	1.41	131,072
18	0.5	1.17	262,144
19	0.47	0.99	524,288
20	0.45	0.83	1,048,576
21	0.43	0.7	2,097,152
22	0.41	0.59	4,194,304
23	0.41	0.5	8,388,608
24	0.28	0.23	$3.0 \times 10^8$

<sup>a</sup>The trachea is called the airway of order 1, and the alveoli are the airways of order 24.