board. How will the arterial line pressure compare with the true blood pressure (BP)?
A. It will be 20 mm Hg higher
B. It will be 15 mm Hg higher
C. It will be the same
D. It will be 15 mm Hg lower

7- The second-stage O2 pressure regulator delivers a constant O2 pressure to the rotameters of
A. 4 psi
B. 8 psi
C. 16 psi
D. 32 psi

8- A sevoflurane vaporizer will deliver an accurate concentration of an unknown volatile anesthetic if the latter shares which property with sevoflurane?
A. Molecular weight
B. Oil/gas partition coefficient
C. Vapor pressure
D. Blood/gas partition coefficient

9- A 58-year-old patient has severe shortness of breath and "wheezing." On examination, the patient is found to have inspiratory and expiratory stridor. Further evaluation reveals marked extrinsic compression of the midtrachea by a tumor. The type of airflow at the point of obstruction within the trachea is
A. Laminar flow
B. Turbulent flow
C. Undulant flow
D. Stenotic flow

10- ECG monitors utilize high- and low-frequency filters to reduce noise (artifact). Which of the following are reduced with low-frequency filtering?
A. Muscle fasciculation
B. Respirations
C. Tremor
D. Electromagnetic interference from other devices

11- A mixture of 1% isoflurane, 70% N2 O, and 30% O2 is administered to a patient for 30 minutes. The expired isoflurane concentration measured is 1%. N2 O is shut off, and a mixture of 30% O2 and 70% N2 with 1% isoflurane is administered. The expired isoflurane concentration measured 1 minute after the start of this new mixture is 2.3%. The best explanation for this observation is
A. Intermittent back pressure (pumping effect)
B. Diffusion hypoxia
C. Concentration effect
D. Effect of N2 O solubility in isoflurane

12- Which of the drugs below would have the LEAST impact on somatosensory evoked potentials (SSEPs) monitoring in a 15-year-old patient undergoing scoliosis surgery?
A. Midazolam