

## CHAPTER 49 ELECTROCARDIOGRAPHY AND PULMONARY FUNCTION TESTING

1. \_\_\_\_\_ is the process by which a graphic pattern is created from the electrical impulses generated within the pumping heart.  
A. pulse oximetry
2. \_\_\_\_\_ is the condition of having two separate poles, one of which is positive and the other negative.  
B. electrocardiography
3. An artifact called a \_\_\_\_\_ is identified by a shift in the baseline from the center position for that lead. Causes include muscle movement or improper application of electrodes which are too loose or incorrectly placed.  
C. echocardiography
4. A \_\_\_\_\_ is exercise electrocardiography which assesses the heart's conduction system during exercise (with a treadmill bicycle, or stair-stepper) when the demand for oxygen increases.  
D. polarity
5. Electrodes are placed on \_\_\_\_\_ areas of the body.  
E. repolarization
6. \_\_\_\_\_ delivers the ability to view the moving heart.  
F. wandering baseline
7. \_\_\_\_\_ is a noninvasive test that measures the saturation of oxygen in a patient's arterial blood.  
G. depolarization
8. Readings less than 95% indicate \_\_\_\_\_.  
H. hypoxemia (low blood oxygen)
9. A \_\_\_\_\_ to evaluates a patient's lung volume and capacity.  
I. spirometer
10. \_\_\_\_\_ is a test used to measure breathing capacity.  
J. forced vital capacity (FVC)
11. \_\_\_\_\_ is the greatest volume of air that can be expelled when a person performs rapid, forced expiration.  
K. somatic
12. An instrument called a \_\_\_\_\_ measures the air taken in by and expelled from the lungs.  
L. alternating current

13. \_\_\_\_\_ uses a special type of ultrasound to look at blood flow through the heart. M. pulmonary function test
14. Cardiac dysrhythmias or arrhythmias are \_\_\_\_\_ in the heart rhythm. N. stress test
15. An artifact called \_\_\_\_\_ interference happens when the electrocardiograph picks up electrical current from another piece of nearby electrical equipment. O. irregularities
16. An artifact called \_\_\_\_\_ interference happens because of muscle movement during shifting of position, tremors, or talking. P. spirometry
17. \_\_\_\_\_ is a natural occurrence of an electrical impulse that initiates a chain reaction resulting in contraction. Q. ten
18. The resting period of the heart occurs during \_\_\_\_\_ . R. doppler