

## Science II - Practice Test

## Test A

1. Anything that has mass and takes up space is classified as \_\_\_\_\_.
  - A. weight
  - B. matter
  - C. compounds
  - D. molecules
2. The process where a material changes directly from a solid to a gaseous phase without passing through the liquid phase is known as \_\_\_\_\_.
  - A. condensation
  - B. deposition
  - C. sublimation
  - D. evapotranspiration
3. \_\_\_\_\_ describes a property of matter that allows a material to be drawn into a wire form.
  - A. Malleable
  - B. Metallic
  - C. Amorphous
  - D. Ductility
4. An object travelling a given distance in a given direction over a specific time period is a calculation of \_\_\_\_\_.
  - A. acceleration
  - B. deceleration
  - C. velocity
  - D. speed
5. Which of the following simple machines is defined as an inclined plane wrapped around a cylinder?
  - A. lever
  - B. wheel and axle
  - C. pulley
  - D. none of these
6. You measured the current in an electrical circuit during a lab. This unit would be reported in \_\_\_\_\_.
  - A. volts
  - B. ohms
  - C. farads
  - D. amps

7. What forms after a large star goes through a supernova?
  - A. super giant
  - B. neutron star
  - C. red giant
  - D. black hole
  
8. The planets in our solar system have orbitals that are elliptical rather than circular. This theory was first proposed by \_\_\_\_\_.
  - A. Ptolemy
  - B. Galileo
  - C. Copernicus
  - D. Kepler
  
9. This planet has a methane-rich atmosphere with a Great Dark Spot.
  - A. Neptune
  - B. Mars
  - C. Uranus
  - D. Saturn
  
10. During a \_\_\_\_\_ tide, the difference between high and low tide levels is the greatest.
  - A. New
  - B. Spring
  - C. Full
  - D. Neap
  
11. The weather that influences Earth takes place in the level known as the \_\_\_\_\_ of the atmosphere.
  - A. ozone
  - B. exosphere
  - C. troposphere
  - D. stratosphere
  
12. During the \_\_\_\_\_ the sun is farthest from the equator and the days are the shortest or the longest depending on which hemisphere you are in at the time.
  - A. equinox
  - B. solstice
  - C. fall
  - D. none of these

13. \_\_\_\_\_ are the seismic waves that are slower, transverse, and cannot travel through the Earth's core.
- A. S-waves
  - B. P-waves
  - C. Surface waves
  - D. Love waves
14. This type of rock forms from cooling magma and usually develops smaller crystals as it cools.
- A. metamorphic
  - B. intrusive igneous
  - C. sedimentary
  - D. extrusive igneous
15. Mauna Loa, the volcano on the Big Island of Hawaii, is classified by geologists as a \_\_\_\_\_ volcano.
- A. shield
  - B. composite
  - C. cinder cone
  - D. none of these
16. A \_\_\_\_\_ lens causes rays of light to converge as the rays pass through it.
- A. convex
  - B. farsighted
  - C. simple
  - D. concave
17. A wave with a \_\_\_\_\_ of 20.0 seconds would be measured from the time it started until the wave returned to its original position.
- A. frequency
  - B. wavelength
  - C. period
  - D. none of these
18.  $F = ma$  is a mathematical explanation of \_\_\_\_\_ .
- A. Newton's First Law of Motion
  - B. Newton's Second Law of Motion
  - C. Newton's Third Law of Motion
  - D. Universal Law of Gravitation