

Practice Exam: General Science

I. Choose the right answer from the choices given.

1. Under the flame test, what colour does Boron produces?
 - a. Orange
 - b. Green
 - c. Blue
 - d. Red
2. Uranium is radioactive element because
 - a. It is artificially produced in the laboratory
 - b. It emits alpha particles
 - c. It is a useful radio component
 - d. It is observed to be hyperactive
3. Glass exhibits ____ because it easily breaks
 - a. Tenacity
 - b. Malleability
 - c. Ductility
 - d. Brittleness
4. Which of the following radiation is made up of a stream of particles identical to the nucleus of helium?
 - a. alpha
 - b. beta
 - c. gamma
 - d. x ray
5. In the Northern Hemisphere, the longest day occurs on the
 - a. winter solstice
 - b. vernal equinox
 - c. summer solstice
 - d. autumnal equinox
6. If a solar eclipse occurred 2 weeks ago, what would be the phase of the moon today?
 - a. first quarter
 - b. last quarter
 - c. full
 - d. new
7. The phase of the moon depends on the position of the
 - a. earth only
 - b. moon only
 - c. earth and moon only
 - d. earth, moon, and sun
8. The characteristic which does not point to a dicotyledonous plant is _____.
 - a. lack of cambium
 - b. secondary growth
 - c. leaves with netted venation
 - d. flowers in multiples of 4 or 5
9. What do you call the family made up by Oxygen, Silicon, Selenium and Tellurium in the periodic table of elements?
 - a. Alkali earth family
 - b. Halogen
 - c. Chalcogen
 - d. Noble gases
10. What is the fastest way to obtain salt from salt water?
 - a. Boiling
 - b. Distilling
 - c. Filtration
 - d. Evaporation
11. If the food web is represented by a pyramid of biomass, the level of the pyramid with the least amount of biomass would be the _____.
 - a. grass
 - b. grasshopper
 - c. Hawk
 - d. Mouse
12. A couple has four children-all girls. The fifth is a boy. This might be a result of
 - a. contraception
 - b. timing in the fertility cycle
 - c. father's Y chromosome
 - d. the "law of average" catching up
13. This explains why a rocket is propelled upward by the downward discharge of the exhaust gases.
 - a. Universal gravitation
 - b. Action and Reaction
 - c. Applied force
 - d. Inertia
14. Filtration is best used in separating mixtures that are composed of
 - a. two miscible liquids
 - b. two miscible solids
 - c. a soluble solid in a liquid
 - d. an insoluble solid in a liquid
15. Who discovered in 1932 the electrically neutral particle called neutron?
 - a. Joseph Thomson
 - b. Robert Millikan
 - c. James Chadwick
 - d. Eugen Goldstein
16. What do you call the process by which rock breaks into pieces?
 - a. erosion
 - b. lithification
 - c. weathering
 - d. deposition
17. Goiter is common among children living on mountains. This could be traced as
 - a. Lack of iodine
 - b. Excessive iodine in diet
 - c. Excessive vitamins
 - d. Lack of iron
18. Scattering salt on clouds is an attempt to
 - a. Encourage earthquake
 - b. Produce rain over dry fields
 - c. Drive clouds further to the sea
 - d. Avoid water evaporation
19. A big rock rolling down a hill possesses what kind of energy?
 - a. Mechanical
 - b. Potential
 - c. Instantaneous
 - d. Kinetic
20. When dry cells are used in a flash light, the conversion of energy is _____.
 - a. Chemical to heat
 - b. Chemical to light
 - c. Kinetic to potential
 - d. Potential to kinetic
21. Due to the sinking of the faulting in the islands, huge sea waves rose and swept four towns into the sea. These are called
 - a. Tsunami
 - b. Isostasies
 - c. Sea quakes
 - d. Fissures
22. What mode of heat transfer is responsible for the occurrence of wind and ocean currents?