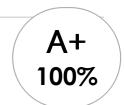
Quizlet

19 Multiple choice questions

- 1. the settling out of larger, insoluble particles over time
 - a. radical
 - b. **CORRECT:** sedimentation
 - c. heavy metals
 - d. photodissociation



- 2. the removal of one or more atoms from a molecule when it absorbs energetic electromagnetic radiation
 - a. CORRECT: photodissociation
 - b. sedimentation
 - c. polyatomic ion
 - d. photochemical smog
- 3. chemical compounds having identical chemical compositions and molecular formula but different arrangement of atoms in their molecules and different properties
 - a. pathogen
 - b. halon
 - c. CORRECT: isomers
 - d. radical
- 4. a halogenated alkane in which molecules such as methane or ethane have some of their hydrogen atoms replaced with halogens
 - a. potable
 - b. pathogen
 - c. radical
 - d. CORRECT: halon
- 5. means fit to drink
 - a. pathogen
 - b. **CORRECT:** potable
 - c. isomers
 - d. halon

- 6. metals with high atomic masses and densities; they are normally toxic to humans; examples are mercury, lead, cadmium, chromium and arsenic
 - a. CORRECT: heavy metals
 - b. potable
 - c. radical
 - d. isomers
- 7. a unit for determining the concentrations of substances that are present in very small amounts
 - a. **CORRECT:** parts per million (ppm)
 - b. polyatomic ion
 - c. photochemical smog
 - d. photodissociation
- 8. testing something to find out what chemical substances are in it
 - a. **CORRECT:** qualitative analysis
 - b. photochemical smog
 - c. quantitative analysis
 - d. heavy metals
- 9. when a hydrocarbon burns in a limited oxygen supply and the combustion products are carbon monoxide and carbon
 - a. polyatomic ion
 - b. **CORRECT:** incomplete combustion
 - c. ultraviolet radiation
 - d. photodissociation
- 10. a mineral required in minute quantity in an adequate human diet or for the optimum growth and yield of plants
 - a. radical
 - b. CORRECT: trace element
 - c. pathogen
 - d. halon

- 11. the quantity of suspended matter in water, such as silt or clay, that may make it look muddy or discoloured; it is measured by the ability of a light beam to pass through a water sample
 - a. CORRECT: turbidity
 - b. halon
 - c. toxicology
 - d. radical
- 12. a molecule or atom; free radicals are molecules or atoms that have one unpaired electron and hence an unused valence; most are very reactive and short-lived, such as the O radical
 - a. CORRECT: radical
 - b. isomers
 - c. halon
 - d. toxicology
- 13. a brown smog produced when, under the influence of ultraviolet light, nitrogen oxides and reactive hydrocarbons in the atmosphere react with oxygen to form PAN (peroxyacetylnitrate, CH3CHOONO2) and ozone
 - a. polyatomic ion
 - b. toxicology
 - c. CORRECT: photochemical smog
 - d. photodissociation
- 14. an ion consisting of a group of atoms, such as CO3, NH4 or PO4
 - a. photodissociation
 - b. toxicology
 - c. CORRECT: polyatomic ion
 - d. pathogen
- 15. testing something to find out how much of each substance is present
 - a. heavy metals
 - b. photochemical smog
 - c. CORRECT: quantitative analysis
 - d. qualitative analysis

- 16. the science dealing with poisons, their effects on people, antidotes and detectiona. halonb. CORRECT: toxicology
- 17. high-energy, electromagnetic radiation emanating from the sun with a wavelength range between 200 and 2000m
 - a. incomplete combustion
 - b. sedimentation

c. isomersd. radical

- c. CORRECT: ultraviolet radiation
- d. photodissociation
- 18. a diagram showing the electrons in the outer shell of an atom or group of atoms in a molecule or ions; each electron is shown as a dot
 - a. isomers
 - b. heavy metals
 - c. **CORRECT:** lewis structure
 - d. sedimentation
- 19. a disease-causing organism
 - a. CORRECT: pathogen
 - b. isomers
 - c. halon
 - d. potable