Quizlet

## 19 Multiple choice questions

1.	. the process by which chemicals and other particles are attracted to and held by a solid surface	
	a. flocculation	
	b. coagulation	
	c. adsorption	
	d. allotrope	
2.	<ol> <li>an underground rock formation through which ground water can easily percolate; sandstone, gravel beds limestone make good aquifers</li> </ol>	and jointed
	a. flocs	
	b. halogen	
	c. aquifer	
	d. coliform	
3.	3. a micro-organism occurring in the gut of warm-blooded animals; its cysts are more resistant to disinfectio bacteria or viruses	n than are
	a. coliform	
	b. cryptosporidium	
	c. coagulation	
	d. adsorption	
4.	I. the process of adding coagulants (chemicals or a mixture of chemicals) to cause particles that are slow to non-settling to settle out more readily; the coagulant reacts with the particles in the water, forming larger called flocs that settle out rapidly	
	a. adsorption	
	b. coagulation	
	c. coliform	
	d. flocculation	
5.	<ol> <li>luminescence caused by a chemical reaction, usually oxidation; the molecules are excited to a high energy emit light as they return to the ground state</li> </ol>	level and
	a. halogen	
	b. coagulation	
	c. haloalkane	
	d chamiluminescence	

- Test: 12 Chemistry 8 Chemical Monitoring and Management Part 1 | Quizlet 6. a derivative of an alkane where one or more hydrogen atoms have been replaced by a halogen such as fluorine, chlorine, bromine or iodine a. flocs b. halogen c. allotrope d. haloalkane 7. a qualitative test for cations where a clean platinum wire mounted in a glass holder is dipped into the sample to be tested and then held in a non-luminous Bunsen flame; many cations burn with distinctive colour a. aquifer b. flame test c. flocs d. halogen 8. the process by which lakes and streams become enriched by dissolved nutrients, such as phosphates and nitrates found in fertilisers; this can result in an increased growth of algae in these waterways and a corresponding drop in dissolved oxygen; this condition can be harmful to other life forms living in these waters a. eutrophication b. coagulation c. adsorption d. flocculation 9. one of several structural forms of the same element in the same state; for example, diamond, graphite and fullerenes are allotropes a. haloalkane b. halogen c. allotrope d. adsorption 10. a covalent bond that has formed when one atom provides both electrons to form the shared bonding pair a. coordinate covalent bond b. chlorofluorocarbon c. coagulation d. complete combustion 11. decomposition without oxygen; many bacteria can carry out respiration without using oxygen; decomposition under these conditions produces gases and other wastes that would not be present in aerobic decomposition
  - c. complete combustion

a. anaerobic decomposition

d. flocculation

b. adsorption

- 12. is K; when equilibrium is reached the concentration of reactants and products has no tendency to change; the concentrations of the products are written in the numerator and the concentrations of the reactants are written in the denominator; the larger value of K, the more the reactants react together to form product

  a. equilibrium constant
  - b. eutrophication
  - b. catropineati
  - c. aquifer
  - d. flame test
- 13. the gentle mixing of chemicals with water containing suspended particles to trap colloidal particles such as mud; the chemicals join tiny particles of dirt, micro-organisms, and fine suspended matter so that they can be more easily filtered out; the larger particles formed can be filtered
  - a. adsorption
  - b. eutrophication
  - c. flocculation
  - d. coagulation
- 14. larger particles formed during coagulation; they settle out rapidly and can be effectively removed by passing water through a filter; the process is controlled so that the coagulant chemicals are removed along with the contaminants
  - a. flocs
  - b. coliform
  - c. halogen
  - d. allotrope
- 15. a type of bacteria found in raw water; coliforms are used as a microbiological indicator for the possible presence of other disease-producing organisms arising from faecal contamination; they are measured in colony forming units (CFU); a CFU is the number of bacterial cells, or clumps of cells, that can be developed into a colony when grown under laboratory conditions; coliforms are killed by chlorine
  - a. coliform
  - b. allotrope
  - c. flocs
  - d. aquifer
- 16. a highly reactive non-metal in group VII of the periodic table; they include the elements fluorine, chlorine, bromine, iodine and astatine
  - a. aquifer
  - b. halogen
  - c. flocs
  - d. haloalkane

- 17. a compound containing carbon, chlorine and fluorine
  - a. flocculation
  - b. eutrophication
  - c. chlorofluorocarbon
  - d. coagulation
- 18. the chemical combination of hydrogen and nitrogen gases in the presence of a catalyst, and under high temperatures and pressures, to form ammonia
  - a. flame test
  - b. haber process
  - c. halogen
  - d. allotrope
- 19. when a hydrocarbon burns in a plentiful oxygen supply and the combustion products are carbon dioxide and water
  - a. complete combustion
  - b. eutrophication
  - c. flocculation
  - d. coagulation