



CHEMISTRY

BOOKS - TARGET CHEMISTRY (HINGLISH)

CHEMISTRY IN EVERYDAY LIFE

1

1. The word 'drug' came from 'drogue' which means_____.

A. dry shrub

B. dry herb

C. dry animal

D. dry solids

Answer: B



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2. Which of the following is NOT a requirement of an ideal drug?

- A. Action at desired site.
- B. Efficient and safe action.
- C. Minimum side effects.
- D. Oral consumption.

Answer: D



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3. Which among the following is a tranquilizer?

A. Aspirin

B. Valium

C. Penicillin

D. Sulphanilamide

Answer: B



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4. 2-Acetoxybenzoic acid is used as :

A. antimalarial

B. antidepressant

C. antiseptics

D. antipyretic

Answer: D



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2

1. A substance which is used for the purpose of diagnosis, prevention, cure or relief of a

disease is called _____.

A. hormone

B. vitamin

C. drug

D. nucleic acid

Answer: C



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2. The enzymes which are crucial to communication system are called_____.

A. messengers

B. receptors

C. substrates

D. agents

Answer: B



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3. Which of the following is an analgesic?

A. Ofloxacin

B. Penicillin

C. Aminoglycosides

D. Paracetamol

Answer: D



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4. The artificial sweetener containing sulphur that has appearance and taste as that of sugar and is stable at cooking temperature is _____ .

A. aspartame

B. saccharin

C. sucralose

D. alitame

Answer: D



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3

1. The use of chemicals for treatment of diseases is called as :

A. chemotherapy

B. pharmacology

C. pharmacy

D. chemotherapeutic agent

Answer: A



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2. The substrate molecules are held by enzymes with_____.

- A. covalent bond
- B. hydrogen bond
- C. van der Waal's force
- D. all of these

Answer: D



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3. Mixture of chloroxylenol and terpineol acts

as :

A. antiseptic

B. antipyretic

C. antibiotic

D. analgesic

Answer: A



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4. The organic detergents that is used in hair conditioners _____.

A. sodium dodecyl benzene sulphonate

B. Sodium lauryl sulphate

C. sodium stearyl sulphate

D. cetyltrimethylammonium chloride

Answer: D



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1. Drugs used for relieving pain are called

A. analgesics

B. tranquilizers

C. antacids

D. antiseptics

Answer: A



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2. Which of the following is INCORRECT?

A. Competitive inhibitors block the catalytic activity of their respective enzymes

B. Allosteric site is different than the active site of the enzyme.

C. When the drug binds at the active site,
the shape of the enzyme changes

D. Drug which binds at allosteric site is
called non-competitive inhibitor.

Answer: C



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3. Dettol is a mixture of_____

A. terpineol and bithional

B. chloroxylenol and bithional

C. chloroxylenol and terpineol

D. phenol and iodine

Answer: C



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4. Antidepressant drugs function by _____.

A. decreasing the level of noradrenaline.

B. inhibiting the enzyme which decreases
the level of noradrenaline

C. releasing the enzyme which decreases
the level of noradrenaline

D. inhibiting the enzyme which decreases
the level of adrenaline

Answer: B



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1. The substances which affected the central nervous system and induce sleep are called

A. analgesic

B. tranquilizers

C. antacids

D. antiseptics

Answer: B



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2. The chemicals which carry different messages in the body between neurons and muscles are called_____.

- A. transmitters
- B. chemical messengers
- C. chemical receptors
- D. competitive inhibitors

Answer: B



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3. Which of the following is used as antiseptic

?

A. Chloramphenicol

B. Bithional

C. Cimetidine

D. Chlordiazepoxide

Answer: B



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4. Narcotic analgesic like morphine, codein and heroin have_____ present in their structure.

A. azo group and five rings

B. NO_3 group and four rings

C. One N-atom and five rings

D. one NH_2 group and four rings

Answer: C



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1. The drugs which interact with target biomolecules are called_____.

- A. target receptors
- B. target interactions
- C. target oriented drugs
- D. chemical messengers

Answer: C



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2. Which of the following may be used as anti-inflammatory as well as analgesic?

- A. Aspirin
- B. Bithional
- C. Morphine
- D. Equanil

Answer: A



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3. Which of the followings is NOT a tranquilizer?

A. Meprobamate

B. Equanil

C. Chlordiazepoxide

D. Brompheniramine

Answer: D



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4. Baking soda is used as an _____

A. antacid

B. antipyretics

C. analgesic

D. antibiotic

Answer: A



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1. Which of the following biomolecules are called target molecules or drugs target?

A. Carbohydrates

B. Proteins

C. Nucleic Acids

D. All of these

Answer: D



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2. The class of drugs used for the treatment of stress is

- A. analgesics
- B. antiseptic
- C. antihistamine
- D. tranquilizers

Answer: D



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3. What is the type of particle formed after the contact of sodium stearate molecules with grease particle?

- A. Neutral
- B. Negatively charged.
- C. Positively charged.

D. Positively charged from inside and negatively charged from outside.

Answer: B



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1. Drugs that bind to the receptor site and inhibit its natural function are called :

A. agonists

B. agents

C. antagonists

D. active site

Answer: C



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2. Which of the following is an antidepressant?

A. Ibuprofen

B. Tetracycline

C. Aspirin

D. Veronal

Answer: D



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3. Which of the following compounds is not an antacid?

A. Aluminium hydroxide

B. Cimetidine

C. Phenezine

D. Ranitidine

Answer: C



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1. Drugs can be classified on the basis of

- A. chemical structure
- B. pharmacological effects
- C. molecular targets
- D. all of these

Answer: D



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2. Which of the following pairs are bacteriostatic antibiotics ?

A. Erythromycin, Chloramphenicol

B. Ofloxacin, Penicillin

C. Tetracycline, Penicillin

D. Tetracycline, Ofloxacin

Answer: A



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3. Which of the following is useful as a food preservative?

A. Salts of sorbic acid

B. Sucralose

C. Ascorbic acid

D. Citric acid

Answer: A



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1. Heroin is a derivative of

A. caffeine

B. cocaine

C. nicotine

D. morphine

Answer: D



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2. An antibiotic contains nitro group attached to aromatic nucleus. It is

A. penicillin

B. terpineol

C. chloroxylenol

D. chloramphenicol

Answer: D



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3. Which of the following processes is not used to preserve the food ?

A. Irradiation

B. Addition of salts

C. Addition of heat

D. Hydration

Answer: D



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1. Which of the following is a non-narcotic analgesic ?

A. morphine

B. Codeine

C. Heroin

D. Aspirin

Answer: D



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2. Which of the following antibiotics is used to cure typhoid?

A. Penicillin

B. chloramphenicol

C. Tetracycline

D. Streptomycin

Answer: B



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3. Artificial sweetener used in soft drinks is:

A. aspartame

B. cellulose

C. fructose

D. glucose

Answer: A



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1. The structure of aspirin is _____ .

A. 

B. 

C. 

D. 

Answer: A



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2. Medicine which is antibiotic is _____ .

A. ibuprofen

B. aspirin

C. equalin

D. ofloxacin

Answer: D



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3. The sweetest artificial sugar among the following is

A. aspartame

B. sucralose

C. alitame

D. sucrose

Answer: C



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1. Drug which helps to reduce anxiety and brings about calmness is :

- A. tranquilizer
- B. diuretic
- C. analgesic
- D. antihistamine

Answer: A



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2. The drugs which are applied locally on skin, wounds, etc. are called_____ .

A. analgesics

B. disinfectants

C. antiseptics

D. anti-inflammatory

Answer: C



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3. Butylated hydroxy anisole is a/an

- A. an antioxidant
- B. cleansing agent
- C. disinfectant
- D. an antihistamine

Answer: A



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1. Barbiturates are the drugs which act on the_____.

A. central nervous system

B. respiratory system

C. heart

D. liver

Answer: A



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2. Antiseptic chloroxylenol is

A. 4-Chloro-3,5-dimethylphenol

B. 3-Chloro-4,5-dimethylphenol

C. 4-Chloro-2,5-dimethylphenol

D. 5-Chloro-3,4-dimethylphenol

Answer: A



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3. Soap is ____

A. sodium stearate

B. calcium stearate

C. sodium acetate

D. sodium benzoate

Answer: A



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1. Antibiotics may be defined as the drugs, which_____.

A. only retard the growth of micro-organism

B. only kill micro-organism

C. may neither kill nor retard the growth of micro-organism

D. may either kill or retard the growth of micro organism

Answer:



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2. Compounds with antiseptic properties are



Answer: B



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3. Bath soap is a mixture of_____.

A. potassium salts of higher fatty acids

B. sodium and calcium salts of higher fatty acids

C. potassium palmitate and sodium stearate

D. sodium salts of higher fatty acids

Answer: A



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1. The organisms susceptible to the inhibitory effect of an antibiotic are known as_____.

A. receptors

B. spectrum

C. target

D. substrate

Answer:



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2. Which of the following is commonly used as disinfectant ?

A. Salvarsan

B. Prontosil

C. Tincture iodine

D. Phenol

Answer: D



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3. What is the combining ratio of glycerol and fatty acid when they combine to form triglyceride?

A. 3:4

B. 3:2

C. 1:3

D. 1:2

Answer: C



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1. Which of the following are antimicrobials drugs

A. Antibiotics

B. Antiseptics

C. Disinfectants

D. All of these

Answer: D



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2. Which of the following statements is FALSE?

A. Some disinfectants can be used as antiseptics in lower concentrations.

B. Arsphenamine, the drug used to treat syphilis, contain - N= N - linkage.

C. In human body, prontosil gets converted into sulphanilamide.

D. Antibiotics are very specific in their action

Answer: B



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3. Bithional is generally added to the soaps as an additive to function as a / an

A. softener

B. dryer

C. buffering agent

D. antiseptic

Answer: D



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1. Which of the following is NOT an antibiotic?

- A. Tetracycline
- B. Erythromycin
- C. Chloramphenicol
- D. Cyclohexane

Answer: D



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2. Which of the following is used as an antacid?

A. NaOH

B. KOH

C. $Mg(OH)_2$

D. HCl

Answer: C



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3. Detergent is ____.

A. sodium stearate

B. sodium alkyl sulphate

C. potassium butyrate

D. sodium oleate

Answer: B



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1. Bithional is generally added to the soaps as an additive to function as a / an

A. Na-salt of fatty acids

B. detergent

C. an antiseptic

D. a disinfectant

Answer: C



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2. Food preservation by removal of heat involves_____.

A. refrigeration

B. freezing

C. cold storage

D. all of these

Answer: D



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3. Which of the following statement is WRONG about detergent?

A. They are used in soft water only.

B. They are used both in soft and hard water.

C. they decrease the surface tension of water.

D. They can be prepared from benzene sulphonic acid.

Answer: A



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1. A substance which can act both as an antiseptic and disinfectant is

A. aspirin

B. chloroxylenol

C. bithional

D. phenol

Answer: D



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2. Pasteurization means ____ .

A. preservation by anti-oxidants

B. preservation by heating

C. addition of sweetening agent

D. addition of Cl_2 gas

Answer: B



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3. The sodium lauryl sulphate is_____.

- A. an anionic detergent
- B. a cationic detergent
- C. a non-ionic detergent
- D. all of these

Answer: A



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1. Which of the following is an antifertility drug?

A. Novestrol

B. Terpineol

C. Chloroxylenol

D. Bithional

Answer: A



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2. Which of the following is removed from food during irradiation?

- A. Water
- B. Micro-organisms
- C. Enzymes
- D. Oxidants

Answer: B



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3. Which of the following is an anionic detergent?

A. Sodium stearate

B. Sodium lauryl sulphate

C. Cetyltrimethyl ammonium bromide

D. Glyceryl Oleate

Answer: B



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1. Which is FALSE for antifertility drug?
 - A. These are called birth control pills.
 - B. They contain a mixture of hormones.
 - C. Novestrol is estrogen derivative.

D. They act as potent vasodilator and work on receptors in stomach wall.

Answer: D



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2. Common salt brings about preservation of pickles by phenomenon of_____.

A. diffusion

B. osmosis

C. dissolution

D. hydrolysis

Answer: B



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3. Which among the following detergents is non-ionic in character ?

A. Sodium lauryl sulphate

B. Pentaerythrityl stearate

C. Cetyltrimethyl ammonium bromide

D. Sodium n-dodecyl benzene sulphonate

Answer: B



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1. The chemical substances that raise the pH value of stomach are called as _____.

A. antacids

B. antipyretics

C. analgesics

D. antibiotics

Answer: A



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2. The number of N and S-atoms present in saccharine ,respectively are_____.

A. 1,1

B. 2,2

C. 3,3

D. 4,4

Answer: A



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3. To which of the following class of organic compounds does the soap belongs?

A. Esters

B. Amines

C. Salts of organic acids

D. Aldehydes

Answer: C



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1. Select the WRONG statement.

A. Salicylic acid on acetylation gives aspirin.

B. Low concentration of streptomycin inhibits growth of bacteria .

C. Penicillin is a bactericidal antibiotic.

D. Penicillin can be used against gram positive and gram negative bacteria.

Answer: D



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2. Anti-oxidants mainly work by ____

- A. removing hydrogen
- B. removing free radicals
- C. stopping fermentation of food
- D. controlling growth of microbes

Answer: B



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3. Hydrolytic reaction of fats with caustic soda is known as ____.

A. carboxylation

B. acetylation

C. saponification

D. esterification

Answer: C



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1. Substances added to food products or organic solutions to prevent decomposition are called_____.

A. preservatives

B. antiseptics

C. oxidants

D. decomposition preventers

Answer: A



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2. Oils and fats are stored by the addition of BHA and BHT because they prevent_____.

A. saponification

B. reduction

C. rancidification

D. hydration

Answer: C



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3. Butylated hydroxyl toluene as a food additive acts as ____.

- A. antioxidant
- B. flavouring agent
- C. colouring agent
- D. emulsifier

Answer: A



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1. A preservative is NOT capable of_____.
- A. inhibiting the process of fermentation
 - B. arresting the process of acidification
 - C. retarding the decomposition of food by microbes.
 - D. increasing the nutritive value of food

Answer: D



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2. Functional groups in BHA is/are ___ groups.

- A. methyl, phenolic
- B. methoxy, phenolic
- C. only phenolic
- D. ester and amide

Answer: B



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3. The acid, which contains both $-OH$ and $-COOH$ groups is

A. phthalic acid

B. adipic acid

C. glutaric acid

D. salicylic acid

Answer: D



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1. Canning means ____.

A. freeze preservation

B. preservation by adding heat

C. preservation by removing excess salt

D. irradiation by γ -rays

Answer: B



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2. To preserve fruit juices and wines, we use_____.

A. Boric acid

B. borax

C. Sulphur dioxide

D. BHT

Answer: C



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3. Which of the following is the CORRECT structure of sulphapyridine?

A. 

B. 

C. 

D. 

Answer: B



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1. In the preservation of food, sun drying and mechanical drying is carried to remove_____from food.

A. micro-organism

B. enzymes

C. water

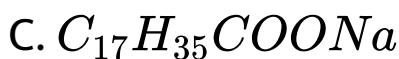
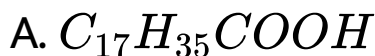
D. oxidants

Answer: C



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2. Which of the following chemical formulae represents soap?



Answer: C



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3. Who among the following scientists synthesized prontosil in 1932?

A. H.W. Flory

B. Paul Ehrlich

C. Alexander Fleming

D. Kekule

Answer: B



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1. Chemically food is preserved by adding_____.

A. vinegar

B. sugar

C. salt

D. all of these

Answer: D



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2. Hydrolysis (saponification) of a fat would yield_____.

A. ethanol and soap

B. ethanol and butanoic acid

C. glycerol and soap

D. triester of glycerol with fatty acid

Answer: C



3. The reaction of sunflower oil with NaOH can be called ___.

- A. cracking
- B. saponification
- C. polymerization
- D. esterification

Answer: B



1. The most commonly used food preservative is

A. aspartame

B. alitame

C. sodium sulphite

D. sodium benzoate

Answer: D



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2. Which of the following is INCORRECT?

- A. A molecule of soap has non-polar tail and the polar head.
- B. In soap molecule, the soluble part in oil consists of long chain of hydrocarbon.
- C. In soap molecule, water soluble part exhibits polarity

D. In soap molecule, the non-polar tail contains at least one sodium or potassium atom.

Answer: D



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3. Which of the following is an analgesic?

A. Streptomycin

B. Chloromycetin

C. Novalgin

D. Penicillin

Answer: C



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1. Saccharin is a/an _____.

A. analgesic

B. sweetening agent

C. antioxidant

D. food preservative

Answer: B



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2. In the following sets of compounds, the one which contains only medicinal compounds is:

A. Dodecyl benzene, lauryl alcohol

B. Aspirin, alitame, phenolphthalein

C. Boric acid, chloramphenicol ,asprin.

D. pentaerythrityl stearate ,boric acid ,
morphine.

Answer: C



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1. Which of the following statements is CORRECT about saccharin?

A. 

B. It is 550 times sweeter than cane sugar.

C. It is used by diabetic patients.

D. All of these.

Answer: D



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2. Which is used for sterilization of water in water supply system of cities?

A. Chlorine

B. Sulphur dioxide

C. Potassium permanganate

D. DDT

Answer: A



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1. The structure of butylated hydroxy toluene is _____

A. 

B. 

C. 

D. 

Answer: A



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2. Soaps and detergents are kept in the for which of the following types of compounds?

A. Surface active

B. Surface inactive

C. Water soluble

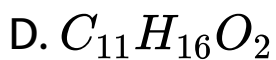
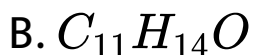
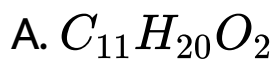
D. Water insoluble

Answer: A



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1. The molecular formula of BHA is"



Answer: D



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2. The drug which contains a heterocyclic its structure is_____

A. aspirin

B. iproniazid

C. terpineol

D. phenelzine

Answer: B



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1. Which of the following statement is TRUE?

A. Soaps and detergents both are used only in hard water.

B. Soaps and detergents both are used in soft as well as hard water.

C. Soap is used only in soft water while detergent can be used in soft as well as hard water.

D. Detergent is used only in soft water while soap is used in soft as well as hard water.

Answer: C



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2. Aspirin is known as

A. acetyl salicylic acid

B. phenyl salicylate

C. acetyl salicylate

D. methyl salicylic acid

Answer: A



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1. Cetyl trimethyl ammonium bromide is a :

A. anionic detergent

B. cationic detergent

C. non-ionic detergent

D. sweetener

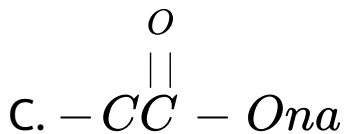
Answer: B



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2. Which of the following represents the polar head of the molecule of soap?

A. $-CH_3$



D. None of these

Answer: C



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1. Which of the following is NOT an antibiotic?

A. Chloramphenicol

B. Sulphapyridine

C. Penicillin

D. Bithional

Answer: D



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2. Tincture iodine is :

A. aqueous solution of I_2

B. I_2 in aqueous KI

C. alcoholic solution of I_2 .

D. aqueous solution of KI

Answer: C



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1. While washing oily or greasy part of the vessel, the soap, oil and water form_____.

A. oil in water type emulsion

B. water in oil type emulsion

C. precipitate

D. sol

Answer: A



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2. Which of the following is used as an antioxidant in food products?

A. Saccharin

B. Butylated hydroxy anisole

C. Glucose

D. Vinegar

Answer: B



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1. A chemical substance which reduces the temperature of body in fever is

A. anti-inflammatory

B. antacid

C. antipyretic

D. antiseptic

Answer: C



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