What is the chemical forumula for Epsom salt?

Magnesium sulfate

Vapor pressure of a liquid is the pressure exerted by a vapor when the liquid and its vapor are in dynamic equilibrium.

Which element has the highest atomic mass?

Chem.? What are van der waal’s forces?

What is a precipitate?

What happens in a double replacement reaction?

Why are copper and zinc used to conduct currents?

Oxidation is a process involving an increase in oxidation number or a loss of electrons.

Which of the following is a use of \_\_\_.

<http://ustimes.com/WorldOfCoke/>

Which of the following crystals is a molecular crystal?

Sucrose

Quartz

What crystal structure often forms

Molarity

What is a weak acid mixed with one of its salts called?

Buffer solution.

What is sodium silicate commonly known as

Water glass

What metal is steel alloyed with to make magnets

What is most gold used for

Gold leaf

Who developed the law of partial pressure?

John Dalton.

Which halogen compounds are most stable

Fluorine

What process is used to obtain free sulfur from underground deposits?

Frasch process

What ores is tellurium usually found with

Bismuth

Gangue

Cerments.

Lime.

What was tungsten previously known as?

Wolfram

What is volcanic glass that is usually black and used

Obsidian

What element is most glass primarily composed of?

Glass.

Which of the following is not a factor in a reaction rate?

The normality is the number of equivalents of solute per liter of solution.

What is the separating of

Iatrochemistry

What is an atom with more electrons than protons called?

Anions.

**TOSS-UP**

1. CHEM; Multiple Choice: The phlogiston theory, disproved by Antoine Lavoisier is that phlogiston:

(W) Is a substance released during combustion

(X) Is a substance that occupies every point in space

(Y) Is a fluid that flows from hot to cold places

(Z) Is a substance that causes rain

ANSWER: W- IS A SUBSTANCE RELEASED DURING COMBUSTION

**BONUS**

1. CHEM; Short Answer: Who created the periodic table?

ANSWER: DMITRI MENDELEEV

**TOSS-UP**

2. CHEM; Short Answer: What kind of fatty acid has double or triple bonds

ANSWER: UNSATURATED

**BONUS**

2. CHEM; Multiple Choice: What is an atom with more electrons than protons called?

(W) Anion

(X) Banion

(Y) Cation

(Z) Daction

ANSWER: ANION

**TOSS-UP**

3. CHEM; Short Answer: What is a weak acid or base mixed with one of its salts called?

ANSWER: BUFFER SOLUTION

**BONUS**

3. CHEM; Multiple Choice: As the hydronium concentration of a solution increases, its pH increases:

(W) Exponentially

(X) Linearly

(Y) Logarithmically

(Z) Inversely

ANSWER: Y- LOGARITHMICALLY

**TOSS-UP**

4. CHEM; Multiple Choice: Which of the following crystals is a molecular crystal?

(W) Diamond

(X) Table salt

(Y) Quartz

(Z) Sucrose

ANSWER: Z- SUCROSE

**BONUS**

4. CHEM; Multiple Choice: What kind of crystal forms double pyramids?

(W) Triclinic

(X) Trigonal

(Y) Tetragonal

(Z) Monoclinic

ANSWER: Y- TETRAGONAL

**TOSS-UP**

5. CHEM; Short Answer: What is black volcanic glass used as arrowheads called?

ANSWER: OBSIDIAN

**BONUS**

5. CHEM; Short Answer: What element is most glass primarily composed of?

ANSWER: Silicon

**TOSS-UP**

6. CHEM; Multiple Choice: What branch of chemistry involves the composition of planets?

(W) Astrochemistry

(X) Geochemistry

(Y) Analytical Chemistry

(Z) Physical Chemistry

ANSWER: X- GEOCHEMISTRY

**BONUS**

6. CHEM; Multiple Choice: What is the study of chemical reactions in organisms called?

(W) Organic Chemistry

(X) Medicinal Chemistry

(Y) Chemical Biology

(Z) Biochemistry

ANSWER: Z- BIOCHEMISTRY

**TOSS-UP**

7. CHEM; Multiple Choice: Organic chemistry is the study of compounds that contain what element?

(W) Carbon

(X) Hydrogen

(Y) Oxygen

(Z) Nitrogen

ANSWER: Carbon

**BONUS**

7. CHEM; Short Answer: What does the n in n-pentane stand for

ANSWER: Normal

**TOSS-UP**

8. CHEM; Multiple Choice: Which of the following is not a factor in reaction rate?

(W) Pressure

(X) Temperature

(Y) Amount of reactants

(Z) Concentration

ANSWER: Y- AMOUNT OF REACTANTS

**BONUS**

8. CHEM; Short Answer: What are the substances formed by a reaction called?

ANSWER: PRODUCT

**TOSS-UP**

9. CHEM; Multiple Choice: How many hydrogen atoms are in ethane?

(W) 3

(X) 4

(Y) 5

(Z) 6

ANSWER: Z- 6

**BONUS**

9. CHEM; Multiple Choice: What functional group contains a hydroxyl group?

(W) Aldehyde

(X) Alcohol

(Y) Ketone

(Z) Ester

ANSWER: X- ALCOHOL

**TOSS-UP**

10. CHEM; Short Answer: What kind of molecules are plastic, sugar, and DNA?

ANSWER: POLYMERS

**BONUS**

10. CHEM; Short Answer: What small molecules are polymers formed of?

ANSWER: MONOMERS

**TOSS-UP**

11. CHEM; Multiple Choice: What is the maximum number of electrons that can be in the second electron shell

(W) 2

(X) 4

(Y) 8

(Z) 18

ANSWER: Y- 8

**BONUS**

11. CHEM; Short Answer: What is a horizontal row on the periodic table called?

ANSWER: PERIOD

**TOSS-UP**

12. CHEM; Multiple Choice: Which group of elements are diatomic molecules?

(W) Alkaline earth metals

(X) Alkali earth

(Y) Halogens

(Z) Noble Gases

ANSWER: Y- Halogens

**BONUS**

12. CHEM; Multiple Choice: Which of the following is not a property of metals?

(W) Lustrous

(X) Malleable

(Y) Low melting points

(Z) Ductile

ANSWER: Y- LOW MELTING POINT

**TOSS-UP**

13. CHEM; Multiple Choice: What polyhedron is the classical Greek element air represented by?

(W) Cube

(X) Tetrahedron

(Y) Octahedron

(Z)

ANSWER: HALOGENS

**BONUS**

13. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

14. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

14. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

15. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

15. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

16. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

16. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

17. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

17. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

18. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

18. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

19. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

19. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

20. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

20. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

21. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

21. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

22. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

22. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

23. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

23. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

24. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

24. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**TOSS-UP**

25. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER:

**BONUS**

25. CHEM; Multiple Choice:

(W)

(X)

(Y)

(Z)

ANSWER: