Body Structures and Functions Updated 13th edition Scott Test Bank

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TRUE/FALSE

1 : Hydrogen is an example of an atom.?
A : true
B : false

Correct Answer : A

2 : Medical imaging refers to invasive techniques and processes.?
A : true
B : false

Correct Answer : B

3 : Electrolytes are responsible for the acidity or alkalinity of solutions and can conduct an electrical charge.?
A : true
B : false

Correct Answer : A

4 : Fructose found in fruit and honey is an example of a disaccharide.?
A : true
B : false

Correct Answer : B

5 : Phospholipids are lipids that contain cholesterol.?
A : true
B : false

Correct Answer : B

6 : Enzymes are specialized protein molecules found in all living cells.?
A : true
B : false

Correct Answer : A

7 : RNA structures are unique for each person and so are usable as a means of identification.?
A : true
B : false

Correct Answer : B

8 : Another name for a base is alkali.?
A : true
B : false

Correct Answer : A

9 : Buffers help a living organism to maintain a constant pH value.?
A : true

B : false

Correct Answer : A

10 : Nuclear medicine is a branch of medicine that uses radioactive isotopes to prevent, diagnose, and treat disease.?
A : true
B : false

Correct Answer : A

MULTIPLE CHOICE

11 : The study of the chemical reactions of living things is called _____.?
A : ?anatomy
B : ?biochemistry
C : ?physiology
D : ?physics

Correct Answer : B

12 : Sitting is a chair is an example of _____ energy?
A : ?potential
B : ?kinetic
C : ?ongoing

Correct Answer : A

13 : Atoms that are alike combine to form the next stage of matter, which is a(n) _____.?
A : ?compound
B : ?molecule
C : ?element

Correct Answer : C

14 : Water makes up what percentage of our body weight??
A : ?35% to 40%
B : ?55% to 65%
C : ?75% to 80%
D : ?Greater than 90%

Correct Answer : B

15 : Which of the following is an example of a lipid??
A : ?Carbohydrate
B : ?Protein
C : ?Fat
D : ?Enzyme

Correct Answer : C

16 : Triglycerides are a type of _____.?
A : ?protein
B : ?fat
C : ?carbohydrate
D : ?glycogen

Correct Answer : B

17 : The nucleus of every human cell contains how many chromosomes??
A : ?23
B : ?46
C : ?69
D : ?92

Correct Answer : B

18 : The sour taste of lemons is due to the presence of a compound called a(n) _____.?
A : ?acid
B : ?base
C : ?salt
D : ?pH

Correct Answer : A

19 : When an acid and a base are combined, they form a salt and water. This type of reaction is called a(n) _____.?
A : ?negatively charged hydroxide ion
B : ?neutralization
C : ?ionization

Correct Answer : B

20 : A solution with a pH of 5 would tell you it is _____.?
A : ?acidic
B : ?alkaline
C : ?neutral

Correct Answer : A

21 : ?Milk of magnesia is an example of a(n) _____ liquid.
A : ?acid
B : ?base
C : ?neutral

Correct Answer : B

22 : Which of the following is required for the body to function at an optimum level of health??
A : ?Highly acidic level
B : ?Highly alkaline level
C : ?State of homeostasis
D : ?None of the answers are correct.

Correct Answer : C

23 : Which of the following is an example of an extracellular fluid??
A : ?Tears
B : ?Blood
C : ?Fluid within the cell
D : ?Urine

Correct Answer : B

24 : Which of the following means many??
A : ?Poly
B : ?Uni
C : ?Intra
D : ?Di

Correct Answer : A

25 : Which of the following would best be described as a scanning procedure that provides visualization of fluid, soft tissue, and body structures without the use of radiation??
A : ?Computed axial tomography (CAT, or CT, scan)
B : ?Magnetic resonance imaging (MRI)
C : ?Positron emission tomography (PET) scan
D : ?Bone scan

Correct Answer : B

MATCHING

26 : Match the element name with its symbol.?
A : ?Na
B : ?Mg
C : ?O
D : ?K
E : ?N
F : ?Ca
G : ?P
H : ?Fe
I : ?C
J : ?H

A : ?calcium
B : ?carbon
C : ?hydrogen
D : ?iron
E : ?oxygen
F : ?sodium
G : ?potassium
H : ?nitrogen
I : ?magnesium
J : phosphorus

Correct Answer :
A : F

B : I

C : E

D : G

E : H

F : A

G : J

H : D

I : B

J : C

FILL IN THE BLANK

27 : Molecules that contain carbon, hydrogen, and oxygen are known as _____ _____.?

Correct Answer : organic compounds

28 : Molecules known as _____ _____ are the building blocks of protein.?

Correct Answer : amino acids

29 : The smallest particles of elements that enter into chemical reactions are _____.?

Correct Answer : atoms

30 : The number of protons in an atom is equal to the number of _____.?

Correct Answer : electrons

31 : The number of elements found naturally in our world is _____.?

Correct Answer : ninety-two

32 : The smallest unit of a compound is a(n) _____.?

Correct Answer : molecule

33 : A positively or negatively charged particle is called a(n) _____.?

Correct Answer : ion

34 : The four groups of organic compounds are _____, _____, _____, and _____ _____.?

Correct Answer : nucleic acids, lipids, proteins, carbohydrates

35 : _____ _____ is involved in the process of heredity.?

Correct Answer : DNA Deoxyribonucleic acid

36 : Compounds can be classified into the following three groups: _____, _____, and _____.?

Correct Answer : salts, bases, acids

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