

Test Bank for Body Structures and Functions Updated 13th Scott

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 in 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