

SCIENCE REVIEWER

MATTER

1. What do you call when matter changes from liquid to solid?

Answer: **freezing**

2. Changing matter from gas to liquid.

Answer: **condensation**

3. Changing matter from solid to gas

Answer: **sublimation**

4. Changing matter from solid to liquid

Answer: **melting (fusion)**

5. It is the smallest part of the property of a substance.

Answer: **molecule**

6. The study of the patterns of the movement of gases is called what?

Answer: **aerodynamics**

7. It is the number of protons in the nucleus of an atom

Answer: **atomic number**

8. What is the most abundant noble gas?

Answer: **argon**

9. It is the substance that capable of destroying bacteria.

Answer: **antibiotic**

10. A BTU is the quantity of heat required to raise the temperature of one pound of water one degree on what temperature scale?

Answer: **Fahrenheit**

11. What is measured by the SI units Pascals?

Answer: **pressure**

12. What is measured by the SI units Becquerels?

Answer: **Activity of radionuclide**

13. What is measured by barn?

Answer: **Area**

14. What is measured by calories?

Answer: **Energy**

15. This gem stone is the softest of all precious stones. What is this green stone that is composed of mineral beryl?

Answer: **Emerald**

16. The atomic number of a chemical element refers to the number of what found in a nucleus of an atom?

Answer: **Protons**

17. What is the chemical symbol of lead?

Answer: **Pb**

18. What is the common name of sodium chloride?

Answer: **table salt**

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27. It is a clear fluid filled in the amniotic sac that protects the embryo against harm and keeps the embryo moist.

Answer: amniotic cord

28. What cord connects the embryo to the placenta?

Answer: umbilical cord

29. Nutrients and oxygen pass from the mother to the embryo through the _____.

Answer: placenta

30. In what week of the pregnancy when the embryo develops tiny arm and legs with fingers and toes?

Answer: 6th-7th weeks

31. What do you call the embryo after the two months of pregnancy and the body organ are now present?

Answer: fetus

32. It is a series of changes during which an egg matures and the uterus is prepared for possible pregnancy.

Answer: menstrual cycle

33. It happens when the uterine lining begins to break down and the blood with some uterine tissue and unfertilized egg make their way out through the vagina.

Answer: menstruation flow

34. How many hours a sperm can survived?

Answer: 24-48 hours

35. It refers to the lining of the uterus that becomes thicker in preparation for implantation of the fertilized egg.

Answer: endometrium

36. It is the female gonad where the egg is produced.

Answer: ovary

37. How many chromosomes are in the nucleus of a human sperm?

Answer: 23 chromosomes

38. Sex determination of a child is done by whose chromosome?

Answer: Father

39. It is the male gametes.

Answer: Testicles

40. A walnut sized glands located between the bladder and the penis, it secretes fluid that nourishes and protects sperm.

Answer: prostate

41. The female gametes is ____.

Answer: ovaries

RESPIRATORY SYSTEM

1. The system that helps a person breathe in oxygen and breathe out carbon dioxide.

Answer: respiratory system

2. Where does the exchange of oxygen and carbon dioxide happens in human body?

Answer: alveoli

3. It is the opening in our nose where air enters.

Answer: nostrils

4. It is where the air gets moistened and warmed as it enters in the nostrils.

Answer: Nasal Cavity

5. It is a tiny hair-like structure that traps the air against impurities.

Answer: cilia

6. A tube-like passage for both food and air that found between the nasal cavity and esophagus.

Answer: pharynx

7. It is a flap of tissue found at the end of the pharynx that closes over the larynx when we swallow.

Answer: epiglottis

8. It is where the vocal chords attached that produce sounds when we speak.

Answer: larynx

9. An organ below the larynx which is a 12cm long tube and made up of C-shaped rings of cartilage.

Answer: trachea

10. Branch of trachea that carry air into the lungs.

Answer: bronchi

11. It is a cluster of tiny thin-walled sacs found at the end of each bronchioles.

Answer: alveoli

12. Substance that produced by the lining of the nasal cavity

Answer: mucus

13. Tiny hair-like structure that trap the bacteria in the trachea

Answer: mucous membrane and cilia

14. The flow of air to the lungs

Answer: nostrils- nasal cavity- pharynx- trachea- bronchus- bronchiole- alveoli

15. What do you call the division of the lungs?

Answer: lobes

16. It is a thin membrane that surrounds the lungs.

Answer: pleura

17. Bones that protect the lungs

Answer: rib cage

18. How many pairs of rib cage that protect the lungs?

Answer: 12 pairs

19. A dome-shaped muscle that works with the lungs to allow breathing in and breathing out.

Answer: diaphragm

20. What is the first apparatus used for breathing underwater?

Answer: diving bell

21. What is the first safe underwater breathing device?

Answer: aqualung

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1. Part of the eyes which focuses on the retina.

Answer: **lens**

2. "Baby teeth" are also known as deciduous teeth. How many deciduous teeth does the average person develop when young?

Answer: **20**

3. What is the colored part around the pupil of the eye?

Answer: **iris**

4. What is the strongest muscle in the body?

Answer: **tongue**

NUTRITION RELATED QUESTIONS

1. It makes up most of your blood and help carry oxygen and food to the cells in your body. It helps your body get rid of wastes through urine and sweat.

Answer: **Water**

2. What food nutrient is our body's main source of energy?

Answer: **Carbohydrates**

3. They are very important for building strong bones.

Answer: **Calcium**

4. It is a degenerative brain disorder that causes a gradual and irreversible decline in memory and eventually, the ability to care for oneself.

Answer: **Alzheimer's disease**

5. It is a dietary-deficiency disease resulting from inadequate intake of niacin.

Answer: **Pellagra**

6. An irregularity in the rhythm of the heartbeat is referred to as what?

Answer: **Arrhythmia**

7. It is a water-soluble vitamin found in fruits and leafy vegetables and is also called as ascorbic acid.

Answer: **Vitamin C**

8. A prolonged deficiency of Vitamin C in the diet causes what disease?

Answer: **Scurvy**

9. It is an ailment that can develop from low red blood cells count or deficiency in hemoglobin.

Answer: **Anemia**

10. What is the protein food found in milk?

Answer: **Casein**

11. What is the cheapest source of Vitamin D?

Answer: **Sunlight/Morning Sunshine**

12. What is the scientific name of guava?

Answer: **Psidiumguajava**

13. The package of simple ready-to-cook foods designed as a supplement to the usual diet of the child is called what?

Answer: **Nutri-Pak**

14. What severe form of child malnutrition is caused by inadequate intake of protein?

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Answer: Imbalance

105. What is the other name for vetsin, which we usually used in cooking that give flavor to the foods we eat?

Answer: Monosodium glutamate / Sodium glutamate

106. _____ is a substance formed by protein in the blood that is used by the immune system to identify and neutralize foreign objects such as bacteria and viruses.

Answer: Antibody

107. It is the removal of mineral or calcium ions from the bone or other calcified tissue to make them flexible and easy for pathological investigation.

Answer: Decalcification

108. These are smaller amounts of vitamins or minerals consumed.

Answer: Micronutrients

109. What hormone is produced in the pancreas that regulates the metabolism of glucose? [The lack of this hormone causes diabetes.]

Answer: Insulin

110. _____ are portions and types of foods and beverages consumed on a regular basis.

Answer: Diet

111. It is a standardized ratio of weight to height.

Answer: Body Mass Index (BMI)

112. In what part of the body does digestion begin?

Answer: Mouth

113. What group of foods builds and repairs worn-out tissues?

Answer: Grow Foods

114. In what year was it discovered that citrus fruit juices aided in the treatment of scurvy, now known as vitamin C deficiency disease?

Answer: 1720

115. What basic food group provides the body with heat and energy?

Answer: Energy-Giving Foods (or Foods)

116. It is a deficiency of calcium in elderly.

Answer: Osteoporosis

117. What is the poor man's meat?

Answer: Monggo

118. What vitamin do we get from yellow foods?

Answer: Vitamin A

119. What mineral makes our teeth harder?

Answer: Calcium, Iron, Phosphorus

120. What are the water-soluble vitamins?

Answer: Vitamin C and Vitamins B complex

121. What vitamin helps in preventing hemorrhage and known as bandage vitamin?

Answer: Vitamin K

122. What do you call the thrombocytes that are tiny colorless disk-shaped and plays an important part in the clotting process?

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Answer: **Eta Carinae**

53. It is an astronomical event that occurs when an astronomical object temporarily obscured.

Answer: **eclipse**

54. A group of star.

Answer: **constellation**

55. An eclipse when the moon passes directly behind the Earth and into its shadow.

Answer: **Lunar eclipse**

56. An eclipse when an observer on Earth passes through the shadow cast by the moon which fully or partially block.

Answer: **solar eclipse**

57. It is the partial shadow in an eclipse.

Answer: **penumbra**

ASTRONOMY

1. What is the more common name for the constellation Canis Minor?

Answer: **Little dog**

2. Approximately, how many days does it take the moon to complete one rotation around the earth?

Answer: **28 days**

3. What comet with shortest known orbital period?

Answer: **Encke's comet**

4. Besides hydrogen, what is the next major component of Jupiter's atmosphere?

Answer: **Helium**

5. What is the highest volcanic mountain in the solar system that is located on Mars?

Answer: **Olympus Mons**

6. What is the highest mountain on Earth?

Answer: **Mount Everest**

7. It is a scale-like pattern of cirrocumulus clouds that also known as "buttermilk sky".

Answer: **mackerel sky**

8. Envelope of gases surrounding a planet

Answer: **atmosphere**

9. What layer of the earth is inferred to be liquid in form?

Answer: **Outer core**

10. It is the space shuttle sent to Venus to investigate its atmosphere.

Answer: **Pioneer-Venus 2**

11. Who formulated the mathematical equation that probe the Big Bang Theory?

Answer: **Albert Einstein**

12. What feature in the sun appears like billowing arches of glowing gases?

Answer: **Prominences**

13. A galaxy that comprises two to three percent of the total number of galaxies.

Answer: **irregular galaxy**

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73. What kind of water is also called surface water?

Answer: **Freshwater**

74. It is the uppermost layer of the soil.

Answer: **Topsoil**

75. What is the lowest layer of the soil?

Answer: **Bedrock**

76. It is a system in which energy and matter from the sun, the atmosphere and living organisms penetrate and interact.

Answer: **soil**

77. It is the type of soil that is a mixture of sand and clay.

Answer: **Loam**

78. It is a blanket of air that surrounds the earth.

Answer: **atmosphere**

79. It is the primary source of energy.

Answer: **sun**

80. The sound that is reflected or returned sound.

Answer: **Echo**

81. It is the softness and loudness of sound.

Answer: **volume**

82. What type of energy made by vibrations?

Answer: **Sound**

83. It is the transfer of heat from one place to another by movement of fluids.

Answer: **Convection**

84. It is the transfer of heat through solid materials.

Answer: **Conduction**

85. It is the push and pull of magnets.

Answer: **magnetism**

86. It is the ability to do work.

Answer: **energy**

87. The energy from electromagnetic waves.

Answer: **Radiant energy**

88. It is the energy of a moving object.

Answer: **Kinetic energy**

89. The energy that is stored in a substance.

Answer: **Potential energy**

90. It is also called as heat energy.

Answer: **thermal energy**

91. Energy that stored in the bonds of chemical compounds like atom and molecules.

Answer: **Chemical energy**

92. It is the amount of moisture in the air.

Answer: **humidity**

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