Question QMC1 : The term photosynthesis literally means  
Answer:  
  
Question QMC2 : O₂ is not evolved in this  
Answer:  
  
Question QMC3 : The raw material for photosynthesis are  
Answer:  
  
Question QMC4 : Directly linked pigments to photosynthetic electron transport are  
Answer:  
  
Question QMC5 : The plant cell is composed of………. basic parts  
Answer:  
  
Question QMC6 : For convince, most of the contents of a cell are referred to as its   
Answer:  
  
Question QMC7 : Packets of light energy are known as  
Answer:  
  
Question QMC8 : Oxygen (O2) released during photosynthesis comes from  
Answer:  
  
Question QMC9 : Energy is stored in chemical bonds such as those in sugar, starch and ---------  
Answer:  
  
Question QMC10 : Due to chemical energy, water and carbon dioxide are converted into  
Answer:  
  
Question QMC11 : The green colour of leaves is due to solar chemical factories called  
Answer:  
  
Question QMC12 : The main difference between an animal and a plant cell is that ---------  
Answer:  
  
Question QMC13 : ---------------is an essential component of chlorophyll molecule  
Answer:  
  
Question QMC14 : --------is the only component of the cell that is not part of the cytoplasm  
Answer:  
  
Question QMC15 : Biological membranes are usually very small and consist of mostlyphospholipids and  
Answer:  
  
Question QMC16 : There are at least…………kinds of filaments that comprise thecytoskeletons of cells in plants and animals.  
Answer:  
  
Question QMC17 : Facilitation of entry of CO2 into the leaf is done through stomata as well as through water film on the----------------- cells  
Answer: spongy mesophyll    
  
Question QMC18 : Extra nuclear DNA is found in ---------------  
Answer:  
  
Question QMC19 : Cellular organelles containing hydrolytic enzymes are called  
Answer:  
  
Question QMC20 : Ribosomes help in  
Answer:  
  
Question QMC21 : Food is converted to energy in  
Answer:  
  
Question QMC22 : NADP stands for  
Answer:  
  
Question QMC23 : Light reactions involve  
Answer:  
  
Question QMC24 : Photolysis means  
Answer:  
  
Question QMC25 : Photosynthesis pigments other than chlorophyll are called  
Answer:  
  
Question QMC26 : When water is used as the proton and electron source the byproduct evolved is  
Answer:  
  
Question QMC27 : The protons and electrons required to reduce NADP⁺ to NADPH₂ come from  
Answer:  
  
Question QMC28 : The tiny indivisible units that contain light energy are called -----------  
Answer:  
  
Question QMC29 : Mitochondria have first been seen by  
Answer:  
  
Question QMC30 : Plasma membrane is composed of ---------------  
Answer:  
  
Question MCQ31 : ----------------is a network of filaments that forms a mechanical support system in the cell.  
Answer: cytoskeleton  
  
Question MCQ32 : Directly linked pigments to photosynthetic electron transport are   
Answer: chlorophylls  
  
Question QMC33 : Cellular organelles containing hydrolytic enzymes are called -----------  
Answer:  
  
Question QMC34 : Ribosomes are responsible for ---------------in the cell  
Answer:  
  
Question QMC35 : Food is converted to energy in -----------of the cell  
Answer:  
  
Question QFB1 : Ribosomes usually occur in clusters called  
Answer: Polysomes  
  
Question QFB2 : A growing cell can make about………. ribosomes per minute.  
Answer: 10,000  
  
Question QFB3 : All plants are made of small indivisible particles called ..........…  
Answer: cells  
  
Question QFB4 : Stacks of flattened, membrane vesicles are called dictyosomes, orsometimes ----------------  
Answer: Golgi bodies  
  
Question QFB5 : The fluid inside chloroplasts is called  
Answer: stroma  
  
Question QFB6 : Phosphorylation is the synthesis of   
Answer: ATP  
  
Question QFB7 : The pressure caused by the potential of water to continuously move into a cell from outside is called ------------ pressure  
Answer: Osmotic  
  
Question QFB8 : The counterpart of osmotic pressure from inside the cell is called -------- potential  
Answer: Osmotic  
  
Question QFB9 : The only component of the cell that is not part of the cytoplasm is the  
Answer: nucleus  
  
Question QFB10 : Many metabolic functions in a cell occur in or on  
Answer: membranes  
  
Question QFB11 : Biological membranes are usually very small and consist of mostlyphospholipids and  
Answer: proteins  
  
Question QFB12 : ------------------- is a network of filaments that forms a mechanical support system in the cell.  
Answer: cytoskeleton  
  
Question QFB13 : The cells that swim have hair like -------------------organelles that protrude into the medium surrounding the cell.  
Answer: Locomotor  
  
Question QFB14 : ……control most of the functions of membranes  
Answer: Proteins  
  
Question QFB15 : Osmotically induced shrinkage of the cytoplasm is called -------------  
Answer: plasmolysis  
  
Question QFB16 : The diffusion of water through a differentially permeable membrane iscalled  
Answer: osmosis  
  
Question QFB17 : The pressure caused by the potential of water to continuously move into a cell from outside is called.  
Answer: Osmotic pressure  
  
Question QFB18 : --------------is the pressure that causes water pressure to push the plasma membrane against the cell wall.  
Answer: Turgor pressure  
  
Question QFB19 : Sugars typically move by -------------------diffusion that involves co-transportwith another solute.  
Answer: Facilitated  
  
Question QFB20 : ………..allow the unrestricted movement of small molecules across the plasma membrane.  
Answer: Membrane lipids  
  
Question QFB21 : Most scientists measure energy in calories (cal) or ….  
Answer: joules  
  
Question QFB22 : A……... is the amount of energy needed to move 1 kilogram through1 metre with an acceleration of 1 metre per second (1m) sec2  
Answer: Joule  
  
Question QFB23 : ------------------------is a fundamental property of life arising from energytransformations in cells.  
Answer: Metabolism  
  
Question QFB24 : The kinetic energy of a compound is contained in its ------------ bonds.  
Answer: Chemical  
  
Question QFB25 : Most energy transformations in organisms involve chemical reactionsCalled Oxidations and ------------------  
Answer: Reductions  
  
Question QFB26 : -----------------is the loss of electrons either alone or with hydrogen, from amolecule.  
Answer: Oxidation  
  
Question QFB27 : ------------is the addition of electrons either alone or with hydrogen to amolecule  
Answer: Reduction  
  
Question QFB28 : There are at least……kinds of filaments that comprise the cytoskeletons of cells in plants and animals.  
Answer: Three  
  
Question QFB29 : Microtubules are made of two types of globular proteins, alpha and…….tubulin  
Answer: beta  
  
Question QFB30 : The smallest filaments in the cytoskeleton are --------------filaments  
Answer: actin  
  
Question QFB31 : The most easily observed part of a plant cell is the ……..  
Answer: cell wall  
  
Question QFB32 : ……………are dynamic parts of cells that can grow and change their shape and composition  
Answer: Cell walls  
  
Question QFB33 : Membrane lipids allow the unrestricted movement of small molecules across the -----------------membrane.  
Answer: Plasma  
  
Question QFB34 : Through enzyme pepsin, proteins can be changed to ------------   
Answer: Polypeptides    
  
Question QFB35 : Exploding a knockout is one of the example of ------------ energy  
Answer: Kinetic