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| CORNELL NOTESMAIN IDEAS\QUESTIONS | UNIT E, CHAPTER 2.1 - Chemicals reactions that place inside cellsNOTES: |
| CarbohydratesWhat are Starchy Carbohydrate Foods | Carbohydrates are sugars and starches, which provide energy for humans and animals, and cellulose which make up many plant structures. |
| Proteinhttp://ts1.mm.bing.net/th?id=HN.608055034601867756&pid=15.1&P=0 | Protein is made up of amino acids which are known as the building blocks of protein and are a source of energy. There are about 20 different amino acids but there are 8 essential amino acids. |
|  FatFat | Any of a heterogeneous group of lipids and fatlike substances, including, fatty acids, neutral fats, waxes, and steroids, which are water-insoluble and are a source of energy.  |
| Vitaminshttp://ts3.mm.bing.net/th?id=HN.608025850300992038&pid=15.1&P=0 | A small organic molecule that your body needs to carry out certain reaction.  |
| Mineralshttp://ts2.mm.bing.net/th?id=HN.608007824315581781&pid=15.1&P=0 | A naturally occurring substance that is solid and inorganic and found in the ground. |
| WaterProblem – Solutions essays: Water shortages | A clear, colorless, odorless, and tasteless liquid essential for most plant and animal life and the most widely used of all solvents. |
| Chemical Energyhttp://ts4.mm.bing.net/th?id=HN.608049584288628923&pid=15.1&P=0 | The energy stored in the bonds between atoms of every molecule. |
| Thermal EnergyHOW IS THERMAL ENERGY TRANSFERRED? | The internal energy of an object due to the kinetic energy of its atoms and/or molecules.  |
| Glucose glucose glucose is by far the most common carbohydrate and classified ...  | A simple sugar that provides the body with its primary source of energy. |
| Photosynthesishttp://ts2.mm.bing.net/th?id=HN.608015061342750577&pid=15.1&P=0 | The process that plant cells use to change the energy from sunlight into chemical energy. |
| ChlorophyllWhat is Chlorophyll? | A light absorbing chemical, or colored substance that traps the energy in sunlight. |
| Cellular Respirationhttp://ts4.mm.bing.net/th?id=HN.607989347376499175&pid=15.1&P=0 | The process where cells use oxygen to release energy stored in sugars such as glucose. |
| Fermentationhttp://ts4.mm.bing.net/th?id=HN.608024213911834191&pid=15.1&P=0 | The process by which cells release energy without oxygen. |
| Mitochondria | Organelles that use oxygen to break down sugars to release energy. |
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| **SUMMARY** |