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molecule atp or adp has a higher potential energy explain your reasoning atp it contains stored energy in phosphate bonds 2 pogil activities for ap biology 7 consider model 2 a is the process endothermic or exothermic exothermic b finish energy of life notes atp pogil the free energy carrier watch atp and cellular respiration crash course in a pogil activity called atp the free energy carrier students are introduced to the concept of atp and its role in cellular processes the pogil activity provides students with a series of guided questions and activities to help them understand the structure and function of atp an energy carrier is a substance fuel or sometimes a phenomenon energy system that contains energy that can be later converted to other forms such as mechanical work or heat or to operate chemical or physical processes atp the free energy carrier 3 7 consider model 2 a is the process endothermic or exothermic b recall that all bonds require energy to break but energy is released when bonds are formed with this in mind explain why it is incorrect to say that the phosphoester bond in atp releases a large amount of energy when atp turns into adp read energy glory is the third vessel to be jointly owned by nyk and tokyo lng tanker tokyo lng tanker 70 nyk 30 and after delivery the ship will be mainly used over the next 20 years for lng transportation from the cove point lng project in the united states a net output energy is released when a phosphate bond is broken atp it contains stored energy in phosphate bonds 4 pogil activities for ap biology model 3 the atp cycle atp water adp phosphate respiration energy energy or photosynthesis cellular processes such as muscle contraction protein synthesis cell division the company has announced a plan to deliver 1 2 billion in annual revenue by 2024 and use more than 50 green hydrogen by 2024 thanks to the success of this plan already plug power has increased that 1 billion goal to 1 2 billion new york wants to 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amounts of crude oil natural gas and other energy resources including uranium for its nuclear power plants the 165 000 cbm lng carrier named energy glory is jointly owned by nyk and tokyo lng tanker a unit of tokyo gas this is the third vessel to be jointly owned by nyk and tokyo lng tanker after delivery the 299 9m long ship will be mainly used for shipping lng from the dominion cove point project in the united states

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