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chemistry energy is a very important quantity in science and the world around us although most of our energy ultimately comes from the sun much of the energy we use on a daily basis is rooted in chemical reactions chapter 7 energy energy is a central concept in all of science we will discuss how energy appears in different forms but cannot be created or destroyed some forms are more useful than others in the sense of doing work before getting into this a little demo the time rate of work more generally power is the rate at which energy is expended power work done time interval nearly every physical and chemical process including all the chemical reactions discussed in previous chapters occurs with a simultaneous energy change in this chapter we will explore the nature of energy and how energy and chemistry are related chapter 7 energy metabolism chapter introduction energy allows the body to function and do work many forms heat mechanical electrical chemical energy is stored in foods and as chemical energy 7 chemical reactions in the body identify nutrients involved in energy metabolism and the highenergy compound that captures the energy

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nearly every physical and chemical process including all the chemical reactions discussed in previous chapters occurs with a simultaneous energy change in this chapter we will explore the nature of energy and how energy and chemistry are related

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