

Name _____ Class _____ Date _____

Section 2–4 Chemical Reactions and Enzymes (pages 49–53)

Key Concepts

- What happens to chemical bonds during chemical reactions?
- How do energy changes affect whether a chemical reaction will occur?
- Why are enzymes important to living things?

Chemical Reactions (page 49)

1. What is a chemical reaction? It is a process that changes one set of chemicals into another set of chemicals.
2. Complete the table about chemicals in a chemical reaction.

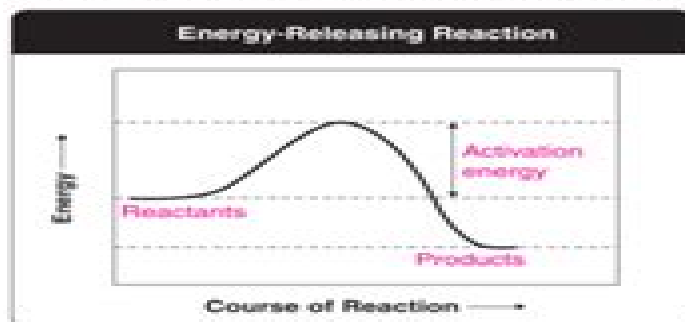
CHEMICALS IN A CHEMICAL REACTION

Chemicals	Definition
Reactants	The elements or compounds that enter into a chemical reaction
Products	The elements or compounds produced by a chemical reaction

3. Chemical reactions always involve changes in chemical bonds.

Energy in Reactions (page 50)

4. What is released or absorbed whenever chemical bonds form or are broken?
Energy
5. What do chemical reactions that absorb energy need to occur? They need a source of energy.
6. Chemists call the energy needed to get a reaction started the activation energy.
7. Complete the graph of an energy-releasing reaction by indicating where the energy of the reactants, the energy of the products, and the activation energy should appear.



4 Chemical Reactions And Enzymes Worksheet Answer Key

NARAYAN CHANGDER



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web the magnetic field that results from powering the coils is present whether the beam is there or not we are interested in finding the field in this aperture and also in knowing how to build a magnet to get the desired field typically accelerators and beamlines have magnets that serve individual functions

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web number of conductor turns in a coil is n magnetic field strength h 1 oe 103 4 a m 79 58 a m mmf magnetic flux 1 wb 1 vs

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