

1. Record Nr.	UNINA9910596980903321
Titolo	Chemical reactions // Films for the Humanities & Sciences (Firm)
Pubbl/distr/stampa	New York, N.Y., : Infobase, [2009], c2010
Descrizione fisica	1 streaming video file (29 min.) : sd., col., digital file + + instructional materials (online)
Collana	Essential Chemistry
Soggetti	Chemical bonds Chemical reactions Educational films. Internet videos. Videorecording
Lingua di pubblicazione	Inglese
Formato	Videoregistrazione
Livello bibliografico	Monografia
Nota di contenuto	Chemical Reactions and Changes in State (4:19) -- Diatomic Elements (1:44) -- Chemical Bonding (4:43) -- Types of Chemical Reactions (3:54) -- Combustion Reactions (2:52) -- Chemical Reaction Rates (2:34) -- Chemical Catalysts (2:29) -- Chemical Reactions in Everyday Life (4:23)
Sommario/riassunto	What do fireworks, a fried egg, and a rusting truck have in common? They all involve chemical reactions. This program illustrates the mechanics of chemical reactions in five sections: Chemical Reactions (reactants and products, state changes, diatomic elements and molecules, Law of Conservation of Mass); Chemical Bonding (Octet Rule, ionic and covalent bonds); Types of Chemical Reactions (synthesis and decomposition reactions, single and double displacement reactions, acid/base reactions, exothermic and endothermic reactions); Reaction Rates (moles, kinetic energy, solutes and solvents, catalysts, activators and inhibitors, enzymes); and Reactions All Around Us (photosynthesis and chemosynthesis, autotrophs and photoautotrophs, bioluminescence)