

Chemical Alternatives

Assessment:

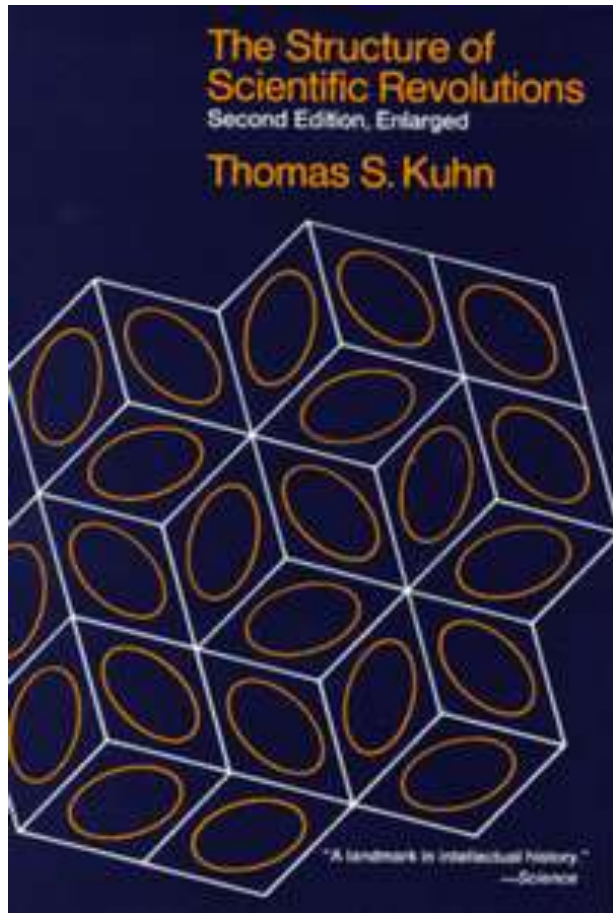
Latest Developments in
Selecting Safer Alternatives



With 4 Notable Presenters

- Ken Geiser, University of Massachusetts Lowell
- Clive Davis, US EPA, Design for the Environment
- Libby Sommer, US EPA, Design for the Environment
- Alex Stone, Washington State Department of Ecology

Thomas Kuhn and The History of Scientific Revolution

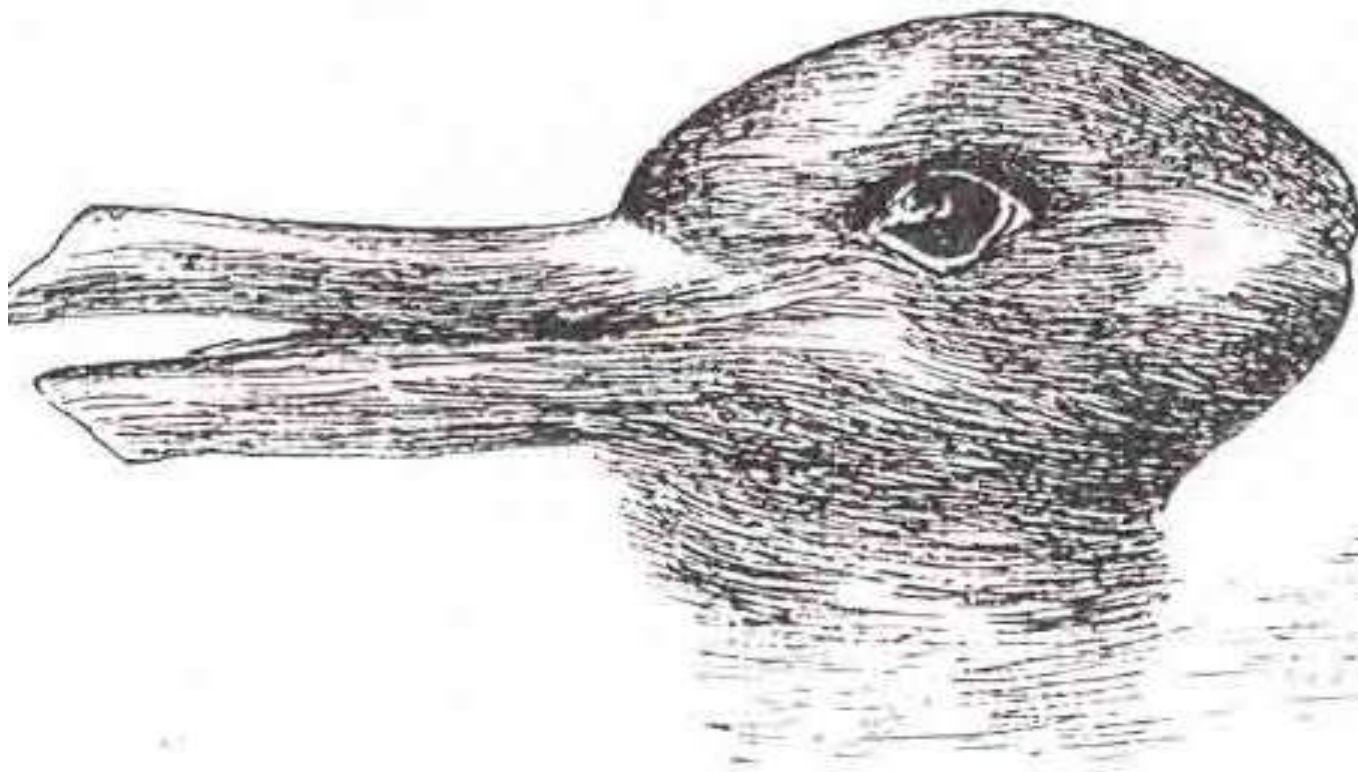




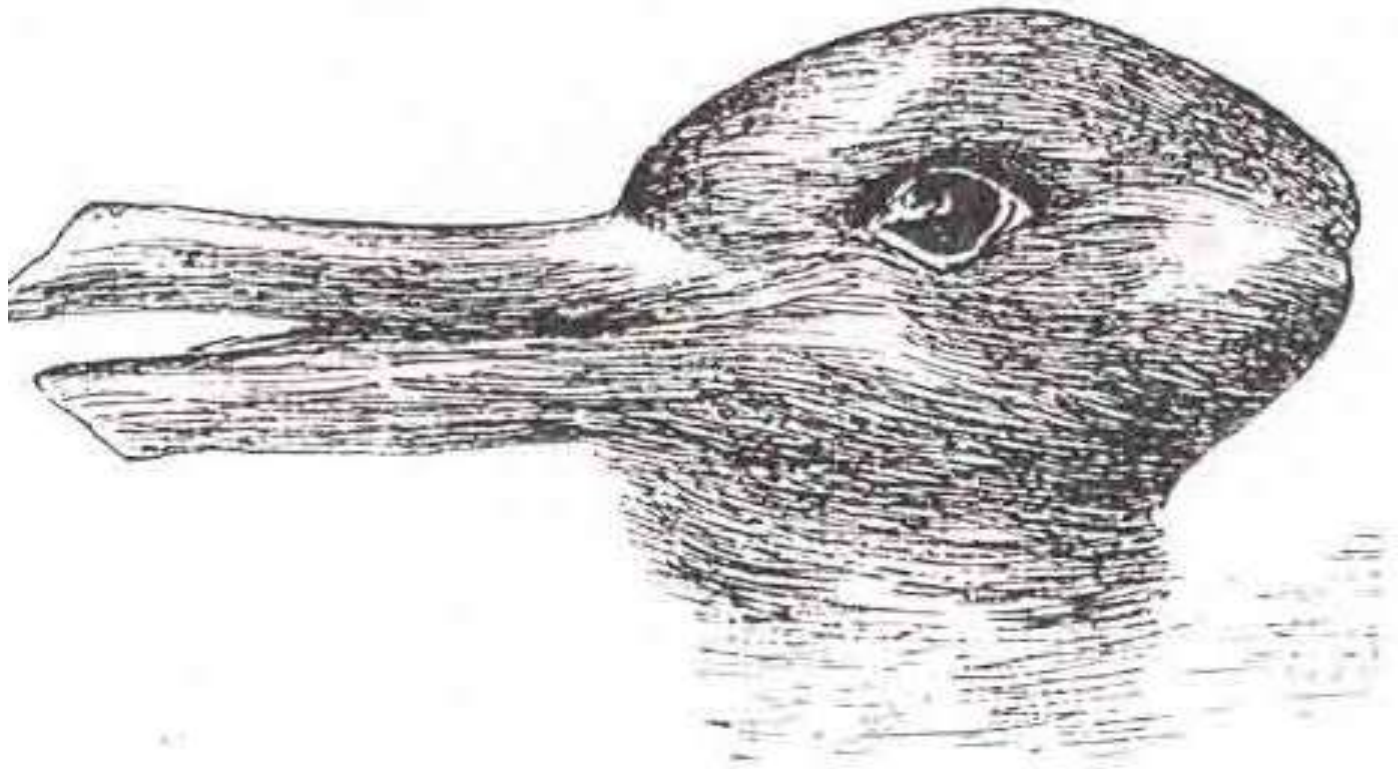
Frank and Ernest



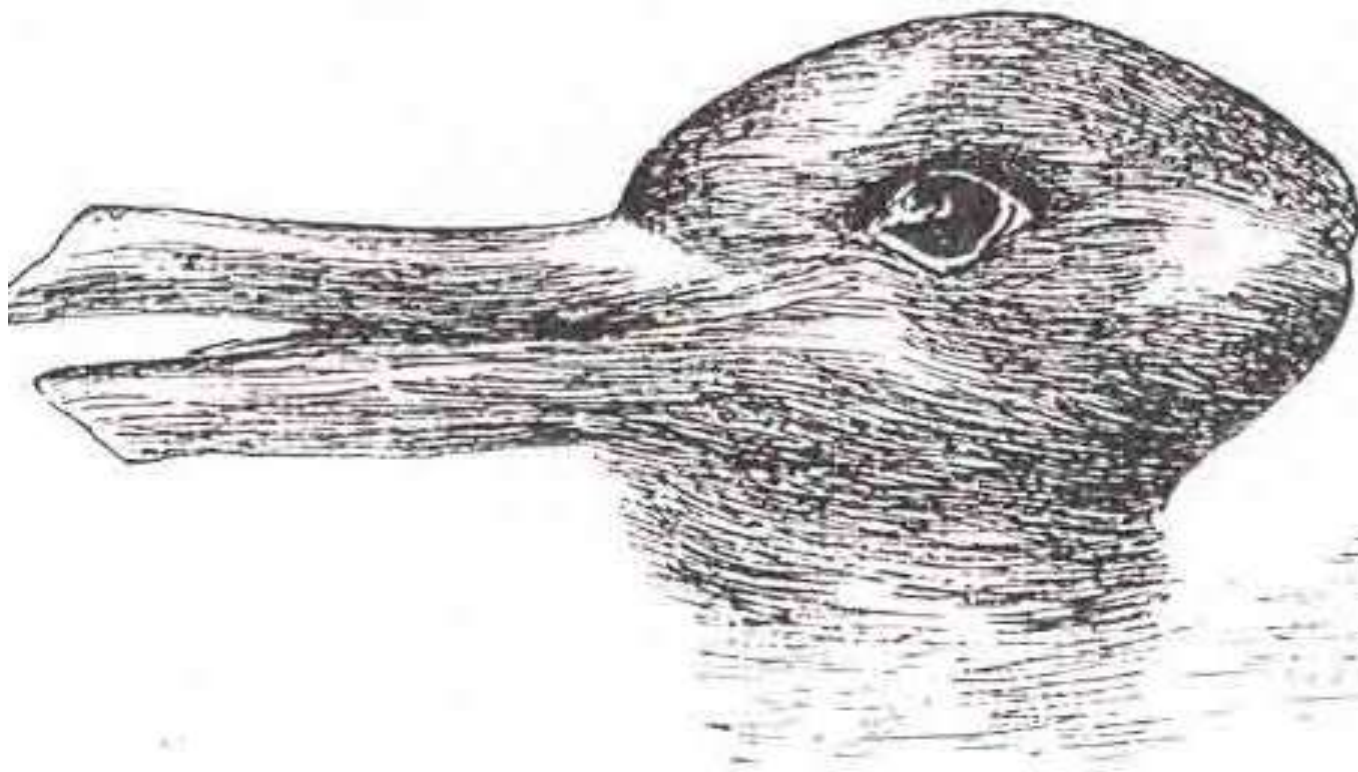
This is a duck



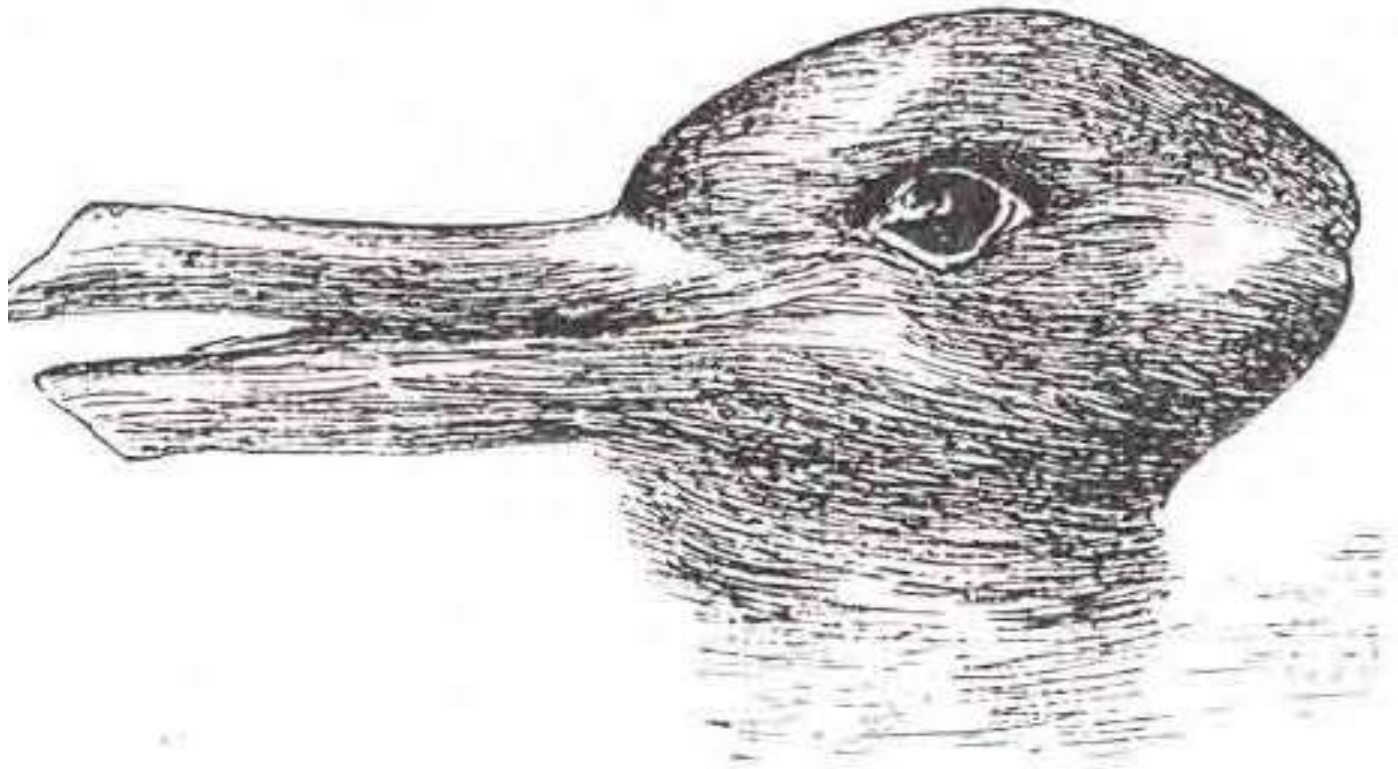
This is not just a duck but
also a rabbit



This is a rabbit



We are paradigm shifters
(and that matters)



The Loss of Manufacturing Jobs

Counties with at least 50% employment in manufacturing in 1970 and 2006



EMBARGOED UNTIL 12:01 A.M. ON WEDNESDAY, MAY 11.

The Economic Benefits of a Green Chemical Industry in the United States

Renewing Manufacturing Jobs While Protecting Health and the Environment

James Heintz and Robert Pollin
Political Economy Research Institute (PERI)
University of Massachusetts, Amherst



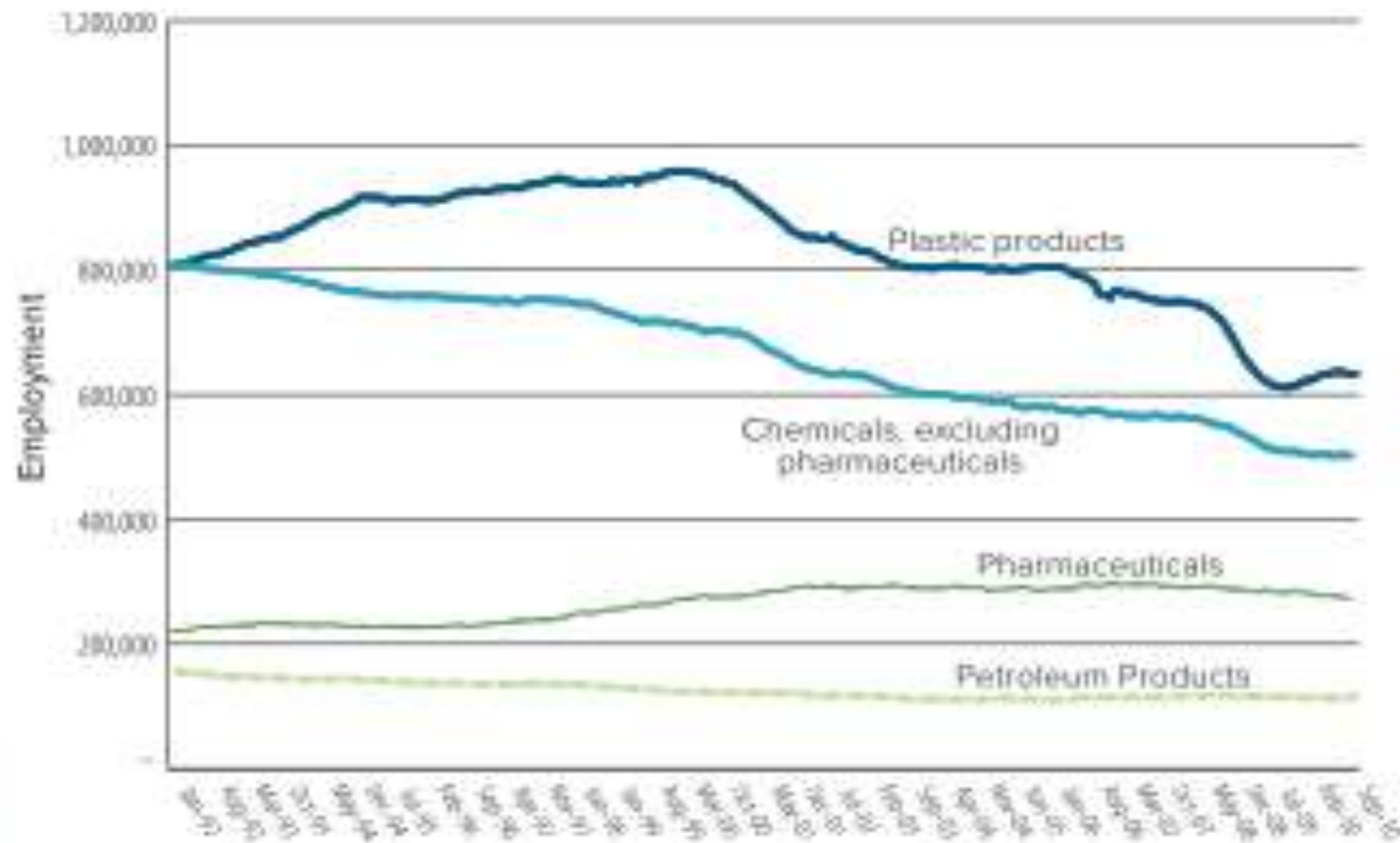
Commissioned by
BLUEGREEN
ALLIANCE



TABLE 1. Average Growth Rates of the Contribution of U.S. Manufacturing sectors to GDP, 1991-2008

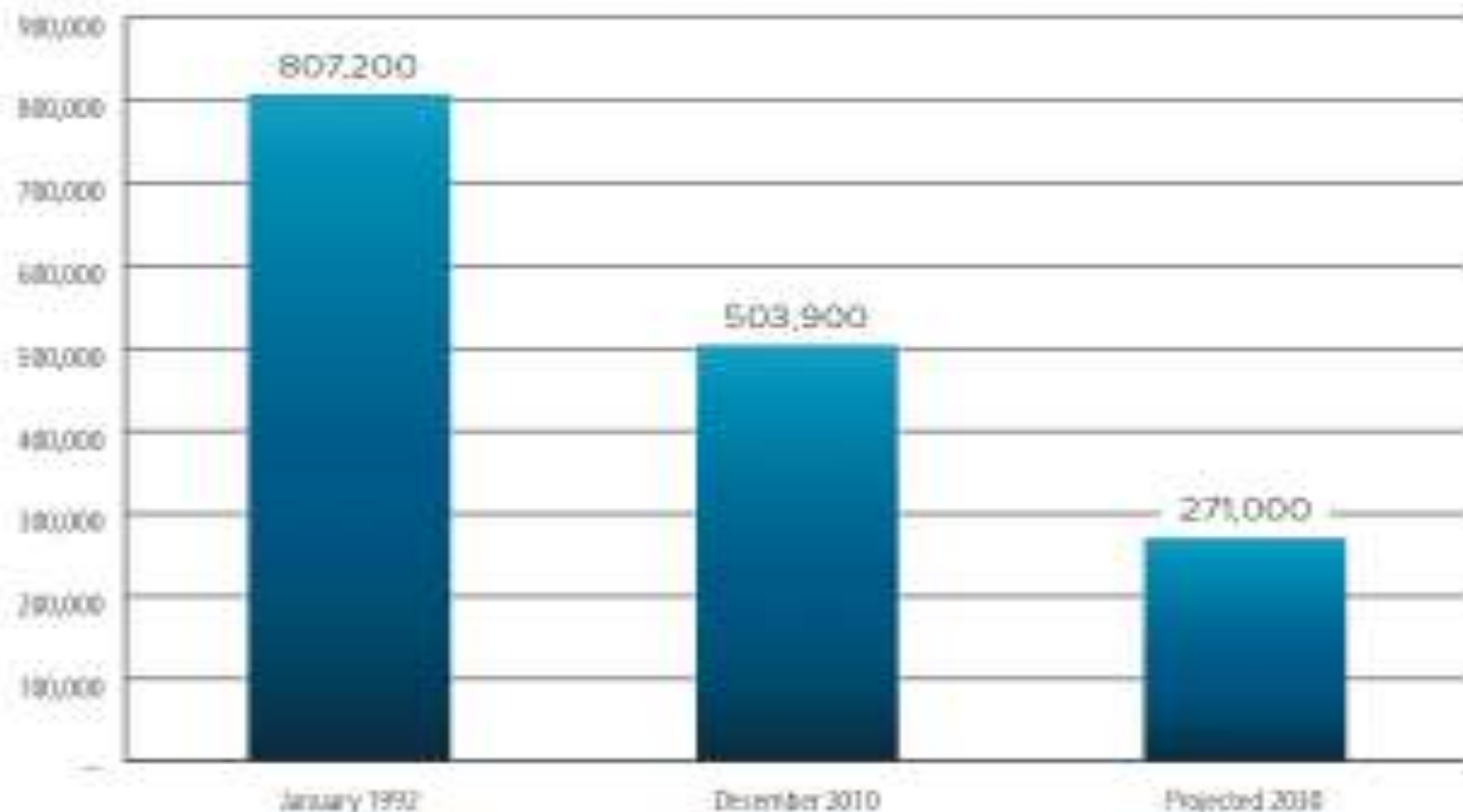
Sector	Average annual growth, 1991-2009	Rank
ALL MANUFACTURING	2.7%	—
<i>Petroleum and coal products</i>	9.8%	1
Computer and electronic products	4.3%	2
Chemical products	4.0%	3
Food and beverage and tobacco products	3.5%	4
Motor vehicles, bodies and trailers, and parts	2.5%	5
Fabricated metal products	2.5%	6
<i>Plastics and rubber products</i>	2.4%	7
Other transportation equipment	2.4%	8
Nonmetallic mineral products	2.3%	9
Furniture and related products	1.7%	10
Machinery	1.7%	11
Electrical equipment, appliances, and components	1.7%	12
Primary metals	1.3%	13
Paper products	1.3%	14

Trends in Employment in the U.S. Chemical, Petroleum, and Plastics Products Industries, 1992-2010



Source: U.S. Bureau of Labor Statistics.

Non-Pharmaceutical Chemical Employment, Actual and Projected Jobs (1992, 2010, and 2030).



Source: U.S. Bureau of Labor Statistics. For 2030 projections, see full report.

Line Grows Long for Free Meals at U.S. Schools



Steve Hebert for The New York Times

More than 100 students eat a free dinner daily after classes at Ingels Elementary School in Kansas City, Mo. The Hickman Mills C-1 district feared students would otherwise go to bed hungry.

By **SAM DILLON**


Published: November 29, 2011

Millions of American schoolchildren are receiving free or low-cost meals for the first time as their parents, many once solidly middle class, have lost jobs or homes during the economic crisis, qualifying their families for the decades-old safety-net program.

Multimedia




The number of students receiving subsidized lunches rose to 21 million last school year from 18 million in 2006-7, a 17 percent increase,

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 COMMENTS (56)

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