

Pennsylvania Academic Standards for Science and Technology

Natural Gas Fulfillment		Pennsylvania Academic Standards for Science and Technology						
Grades 7 - 8		Science Standards for students by 7th grade						
State Goals		3.1.7	3.2.7	3.4.7	3.5.7	3.6.7	3.7.7	3.8.7
Energy Action Activities	Page	Unifying Themes	Inquiry & Design	Physical Science, Chemistry & Physics	Earth Science	Technology Education	Technological Devices	Science, Technology & Human Endeavors
How Do You Rate?	5							B,C
Make A Difference!	9					B		B,C
Environmental Ethics	15					B		B,C
Water- Inside & Out!	19		B,C			B	A,B	A-C
Water Proof Savings	23		B,C				A,B	A-C
Be Bright About Light	29		B,C	B			A,B	A-C
Battery Battle	35		B,C	B			A,B	A-C
Blue Flame Energy	39			B				A-C
The Insulated Comforts of Home	45	A	B	B		B	A,B	A-C
Outsmarting the Sun	51		B,C	B			A,B	A-C
Atmospheric Environment	57	A		A-C				A-C
Take Care of Our Air	61		B,C	A,B		B	A,B,E	A-C
Energy-The Driving Force	65	A		A-C		B		A-C
Wise Waste Management	71	A		B	B		A,B	B,C
Reduce, Reuse, Recycle	77				B		A,B,E	B,C
Energy Management Fun	83		B,C	B			A,B	B,C
How Do You Rate Now?	89							B,C
Natural Gas Basics CD								
The Search for Natural Gas	CD	A	A-C		B		A,B	B
The Natural Gas Store	CD		A-C	.A	B		.A	B
Environmental Safety Search	CD							B
Meter Reader Relay	CD	A						B
Natural Gas at Work	CD							B
Create a Commercial	CD							B
Natural Gas Mobile	CD							B

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	Page							
Natural Gas Hide 'N Seek	CD					B		B
Makin' Gas	CD		A-C	A	B		A	B
Mix N Match	CD							B
Burn It Blue	CD		A-C	A	B		A	B
Hi Tech Future	CD					B		B
Natural Gas Haiku	CD							B
More Experiments								
What is a Gas? (background)	CD			A				
What is a Gas Like?	CD		A-C	A			A,B	
More About Gas	CD		A-C	A			A,B	
Does Air Really Push Upward?	CD		A-C	A			A,B	
Hot and Cold Air	CD		A-C	A			A,B	
Making a Mixture of Solids	CD		A-C	A			A,B	
Burning Air	CD		A-C	A			A,B	
Candle Wax Vaporizes Before it Burns	CD		A-C	A			A,B	
How Fast Does a Candle Burn?	CD		A-C	A			A,B	
Incomplete Burning	CD		A-C	A			A,B	A
Making Carbon Dioxide Gas	CD		A-C	A			A,B	
Carbon Dioxide in Exhaled Air	CD		A-C	A			A,B	
Natural Gas Poster		A	A-C	A	B		A,B	B
Natural Gas Safety Poster		A	A		B			B
Think! Energy Poster		A						
Natural Gas Energist		A	A-C	A	B		A,B	B
Energy Safe and Energy Wise Assessment			A					B