

Name _____
APES Topic 11 – Energy Resources

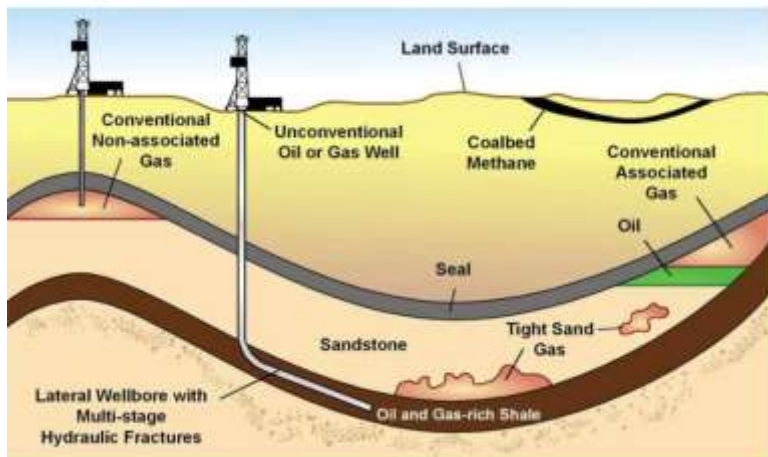
Date _____
Mr. Romano

AIM: _____

Definition: _____

Extraction:

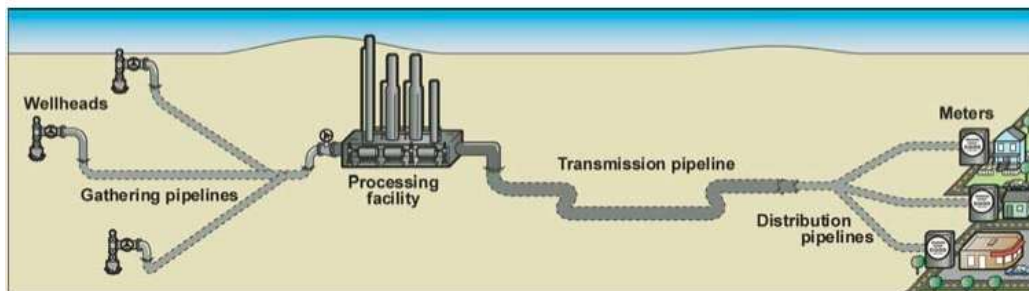
conventional



unconventional



Pipeline System



Source: PHMSA.

The continental United States has more than 210 pipeline systems that are made up of 490,850 kilometers (305,000 miles) of transmission pipelines that transfer gas to all 48 states. This system requires more than 1,400 compressor stations to ensure that the gas continues on its path, 400 underground storage facilities, 11,000 locations to deliver the gas, and 5,000 locations to receive the gas.

Natural Gas: Most Reserves

1. _____
2. _____
3. _____
4. _____

Pros and Cons of Using Natural Gas:

PROS	CONS
1. ample supply	1. methane well / pipeline leaks – greenhouse gas / explosions
2. cleanest burning fossil fuel (50% less CO ₂ than coal)	2. Negative Effects of Fracking <div>a. groundwater / air contamination</div>
3. easily transported by pipeline	
4. most efficient fossil fuel used in power generation (>45% v coal and oil - 35-40%)	
5. Positive Effects of Fracking: lowered natural gas prices	
	b. methane / fracking chemicals in drinking water
	c. extensive. non-recoverable water use
	d. can trigger earthquakes