Heat Exchangers: Heating and Cooling a Home.

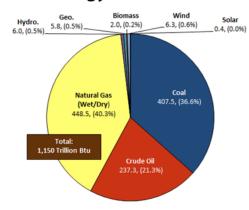
Names			

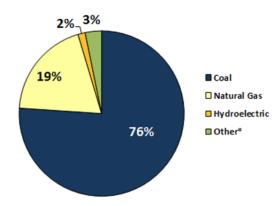
What is your challenge?

Research: Use the information below and the internet to see where Utahns get energy and how usage could be reduced.

Utah Energy Production 2014







- 1. How does your family heat your current home?
- 2. Where does the energy come from?
- 3. How does your family cool your current home?
- 4. Where does the electricity come from?

5.	What are ways a home can use less energy?
6.	What are the characteristics of passive energy heating or cooling?
Your Cl	nallenge: Design an energy-efficient home with passive heating and cooling systems.
•	Assume your home is located in a temperate climate (warm summers, cold winters) There should be space for a family of four. Space for cooking, eating, sleeping, and relaxing should be included.
Peer Ro	eview- Include a positive statement and a suggestion for improvement.
Name o	of Peer:
Name o	of Peer:
Names	of 2 peers you reviewed:
Rubric	
Energy	worksheet completed with appropriate research (10 points)
Rough	draft of home designs (5 points)
Use of	alternative sources of energy (5 Points)
Finishe	d floor plan and front view of your home (20 points)

Artistic and viable (10 points)					
Neatness (10 points)					
Review by 2 other group (5 points each)					
Review of others project (5 points each) must include name 1 positive and improvement					
Review of projects					
Remember you must have 2 reviews of your project and you must review 2 projects and they cannot be the same people					
Names of reviewers' (2)					
Positive thing they liked about your house					
Improvements					
Changes you will make					
Names of reviewers' (2)					
Positive thing they liked about your house					
Improvements					
Changes you will make					
Names of people that you reviewed					
Thing you liked					
Improvements					

Names of people that you reviewed
Thing you liked
Improvements