

BRAIN BUSTERS

Renewable Energy Logic Puzzle

Four houses have embarked on renewable energy projects. Use the clues below to match the house, energy project, and year. Once solved, the years will show when each type of renewable energy was first adopted for widespread use.

Clue 1: House 2, 1876, and wind are all separate.

Clue 2: The project first used in 1876 is either solar or geothermal.

Clue 3: Either solar or wind was first used in 1890.

Clue 4: The project first used in 1920 is in house 4.

Clue 5: Solar was either first used in 1876 or is in house 4.

Clue 6: The project used in house 1 is not wind.

Clue 7: Hydroelectric was either first used in 1920 or is used in house 3.

		House				Renewable Energy Project			
		1	2	3	4	Geothermal	Hydroelectric	Solar	Wind
Year	1864								
	1876								
	1890								
	1920								
Renewable Energy Project	Geothermal								
	Hydroelectric								
	Solar								
	Wind								

Hint: place an X in any box that cannot be true and a star in any box that must be true. Anytime a star is placed, X's can be placed in all other boxes in that column and row.

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Example

Example 1: when a star is placed based on the clues, X's can be placed in all the other boxes in the row and column.

	-	=	≡	IV	1	2	3	4
A		X						
B		X						
C	X	☆	X	X				
D		X						
1								
2								
3								
4								

Example 2: Completed puzzles should look like this.

	-	=	≡	IV	1	2	3	4
A	X	X	X	☆	X	X	☆	X
B	☆	X	X	X	☆	X	X	X
C	X	☆	X	X	X	☆	X	X
D	X	X	☆	X	X	X	X	☆
1	☆	X	X	X				
2	X	☆	X	X				
3	X	X	X	☆				
4	X	X	☆	X				