

Hints for L8 – Chemical Energy C.E.R.

Questions to base your claim on:

1. What happens to the amount of CE in a chemical reaction when the mass of an ingredient is increased?
2. What happens to the amount of CE in a chemical reaction when the mass stays the same, but one of the ingredients (substances) is changed?

Data

◇	A	B	C	D
1		Temperature Change (C)		
2	Period	0.5g Al	0.75g Al	0.5g Steel
47	Average	29.6	39.1	4.7
48	Median	29	41	5
49				

Evidence:

The chemical reaction of ___?___ and ___?___ produced a median temperature change of ___?___.

Reasoning Word Bank: CE, TE, chemical reaction, mass, atoms, molecules, collisions, substance, properties, energy conversion

Reasoning sentence starters

Increasing the amount of Aluminum in the chemical reaction caused a larger temperature change because . . .

The Aluminum caused a larger temperature change than Steel in the chemical reaction because . . .