

Day 13 – Science

Experiment 1

In each trial, a selected mass of Fe, Ni, or Zn was tested at 30°C (see Figure 1).

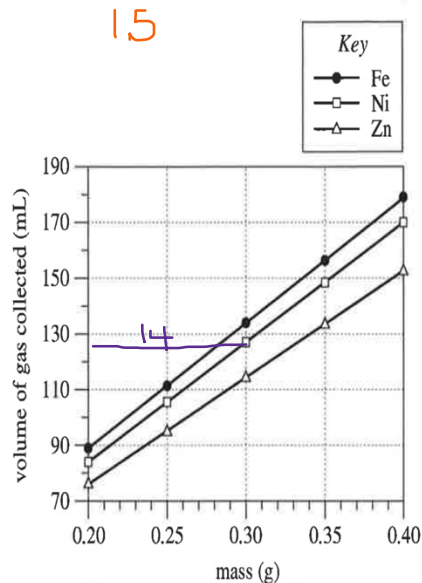


Figure 1

Experiment 2

In each trial, 0.30 g of Fe, Ni, or Zn was tested at a selected temperature (see Figure 2).

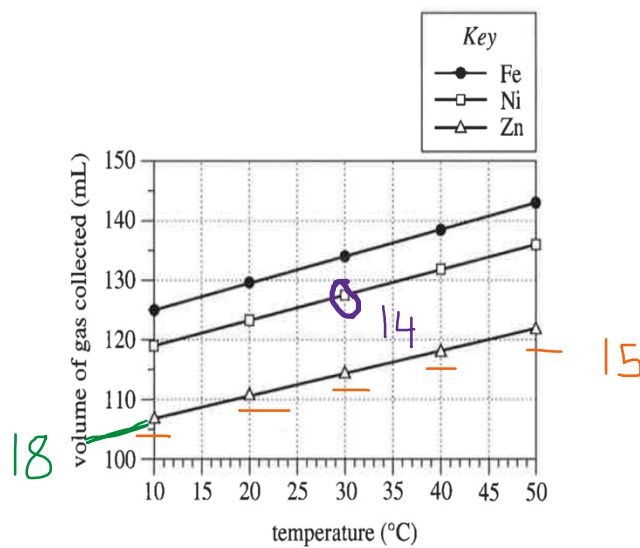


Figure 2

14. H . .

15. B

Experiment 1 was tested at 30 degrees Celcius. Experiment 2 was tested at 10, 20, 30, 40 and 50.

16. J

Both experiments test 3 metals, so F and G are wrong.

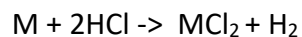
17. A

Mass changes in experiment 1. Temp changes in experiment 2. Volume of gas collected changes in both experiments.

18. H

In experiment 2, volume decreases with temperature.

19. ..A



For every 2 moles of HCl consumed in the experiment, 1 mole of H₂ will be produced. Therefore 10 moles HCl = 5 moles H₂.

20. J

