Checking Metal Ratios at Different Spots

Scoring guide · one credit per question · review written work against each rubric

Checking Metal Ratios at Different Spots

Question 1

Choice (2)

In Q, one sampled region contains only X and the other contains only Y.

Question 2

The whole-sample ratio is 1:1 in both. P shows both metals in each measured region, while Q shows different metals in separate regions. The overall ratio does not identify the local arrangement.

Question 3

The combined region has 10 X and 10 Y, an overall ratio of 1:1. The combined reading cannot show that the two counts came from different regions.

Question 4

Measure several additional small regions spread across P, keeping the region size matched. Similar X and Y counts in those regions would support the uniform model at that measurement scale.