Choosing a Measurement for an Ink Wash

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

Choosing a Measurement for an Ink Wash

Question 1

Choice (2)

The model reports 4.0 mg in both samples. The pH and intensity change, so intensity alone does not establish a change in marker amount.

Question 2

Color intensity depends on pH as well as amount. The same 4.0 mg gives different signals at the two pH values, so the pH 7.0 calibration need not apply at pH 5.0.

Question 3

Change pH in one matched portion and keep the other at the starting pH, with the same marker amount and total volume. Compare their color intensity using the same instrument.

Question 4

Match their pH values. A pH difference can change the color even when the marker amounts are equal.