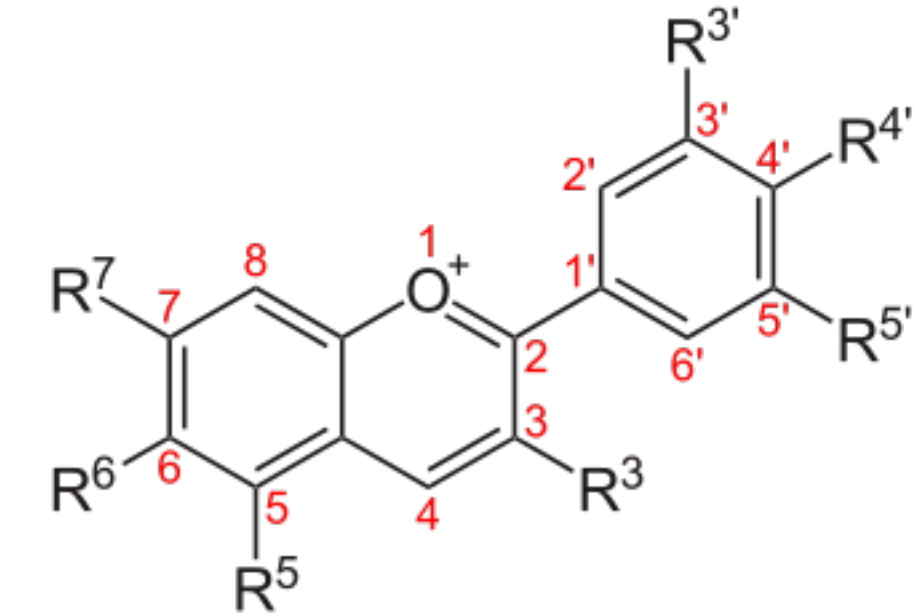


Bio Lab — — the first idea

organic primitives:
medium for transforming objects into information displays

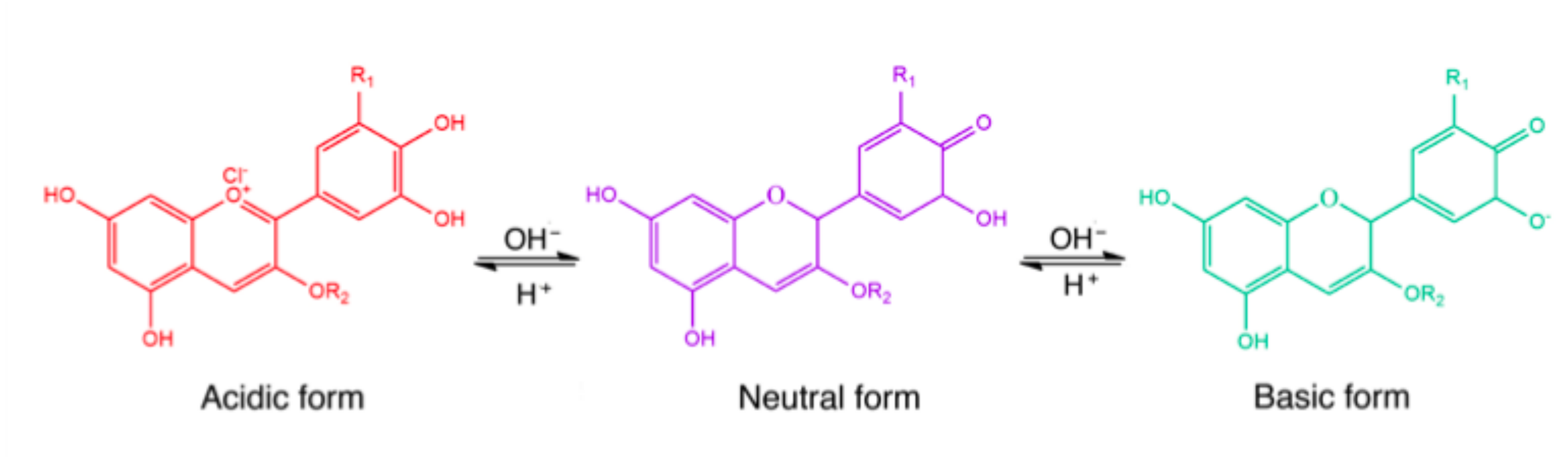
Formulating colour changing material primitives which act as sensor-actuators that convert pH signals into human-readable outputs

Anthocyanin 花青素



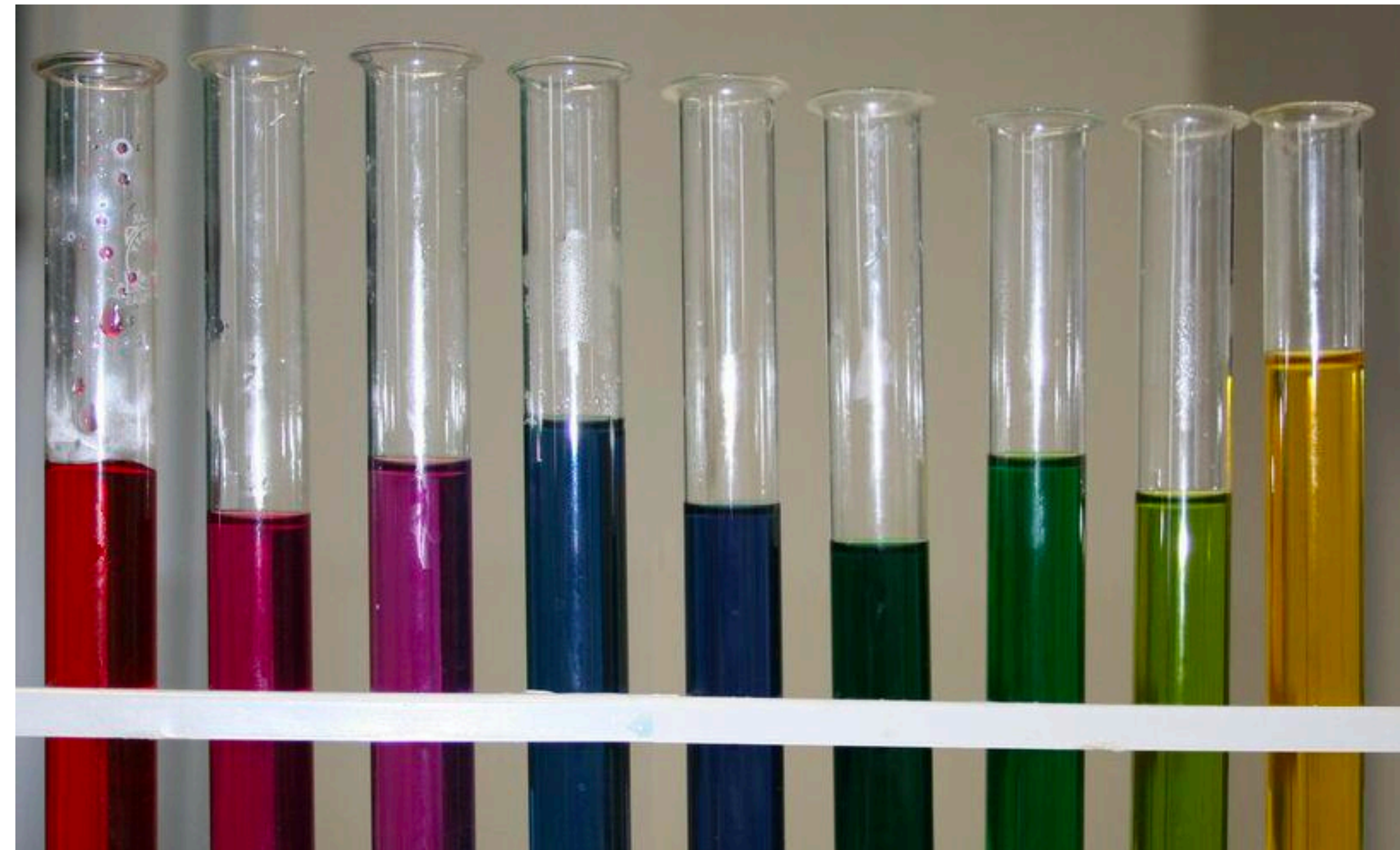
are water-soluble vacuolar pigments
depending on their pH, may appear red, purple, or blue.
Food plants rich in anthocyanin include the blueberry, raspberry,
among many others that are red, blue, purple, or black.
Some of the colours of autumn leaves are derived from
anthocyanin.

Bio Lab — —the first idea



Chemical diagram of color-changing anthocyanin pH reaction

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Red cabbage extract at low pH (left) to high pH (right)

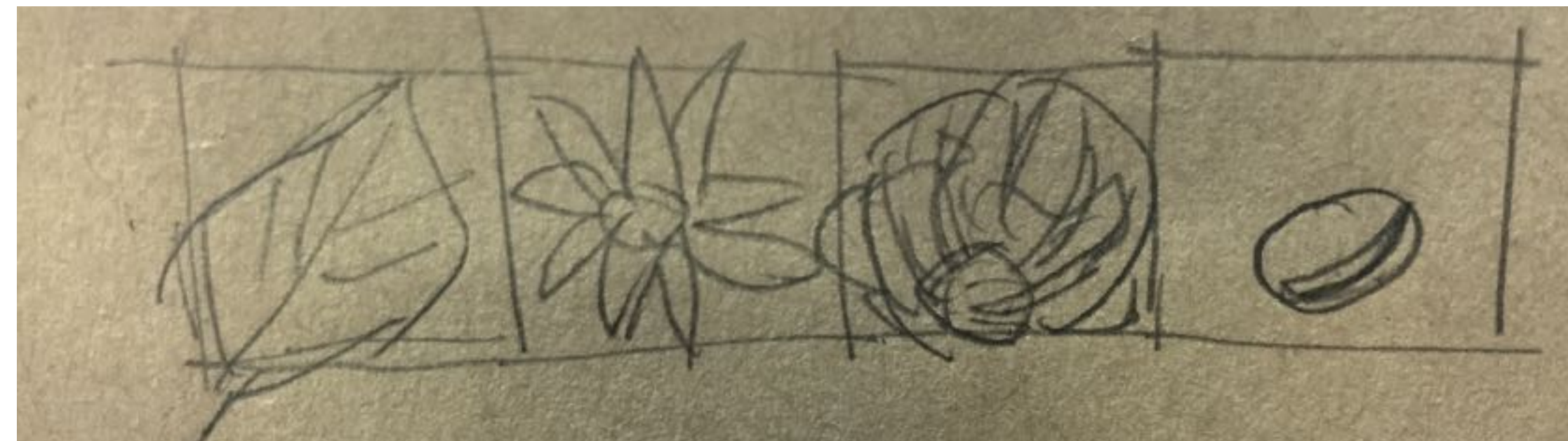
Bio Lab — —the first idea



Bio Lab — — the first idea

First

I will do some experiments to observe organic primitives changing under different pH solutions.



leaves, flowers, red cabbage, or black soybean

Bio Lab — —the first idea

Then

if I can extract anthocyanin from plants, I will use it as pigment.

