## Microscale universal indicator

## Integrated instructions





Downloaded from <u>rsc.li/4i8Muq6</u>

weaks pHS

neutral PH 7

Wieaka0 pH4

strong act pH 1

2 2 drops

indicator

tange

Strong acid

hothym blue

thymol blue

orange

halein

Phenolphth

Weak ac

## Integrated instructions

Integrated instructions use clear numbering, arrows and simple pictograms (for example, an eye showing when to make observations). They were developed using cognitive load theory and remove unnecessary information. Integrated instructions reduce extraneous load on learners, increasing the capacity of their working memory to think about what they are doing and why.

Read more at <u>rsc.li/47blKi5</u>.

Full technician notes, including safety, preparation and disposal, are available from <u>rsc.li/4i8Muq6</u>.







