

1. Boric acid, which is a weak acid, was titrated with standardised sodium hydroxide solution.

Which one of the indicators listed below would be the **most** suitable to use in this titration?

| | Indicator | Range of colour change (pH) |
|-----|-------------------|-----------------------------|
| (a) | thymol blue | 1 – 3 |
| (b) | bromocresol green | 3.8 – 5.4 |
| (c) | cresolphthalein | 8 – 10 |
| (d) | alizarin yellow | 10 – 12 |