ANSWERS Additional questions on acid base titrations

**1.** (a) The unknown acid is a weak acid, the initial pH of 2.72 indicates that a weak acid is being titrated. The equivalence point has a pH of 8.88 which indicates that a basic salt is produced during this reaction. NaOH is a strong base and therefore the acid must be weak.

(b) Thymol blue would be a green colour

or

Phenolphthalein would be a faint pink colour

**2.**



phenolphthalein

**Reference:** <http://moodle.st-anns.ca/pluginfile.php/1828/mod_resource/content/0/acidwritten.pdf>

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