

# 2.6

# pH and indicator

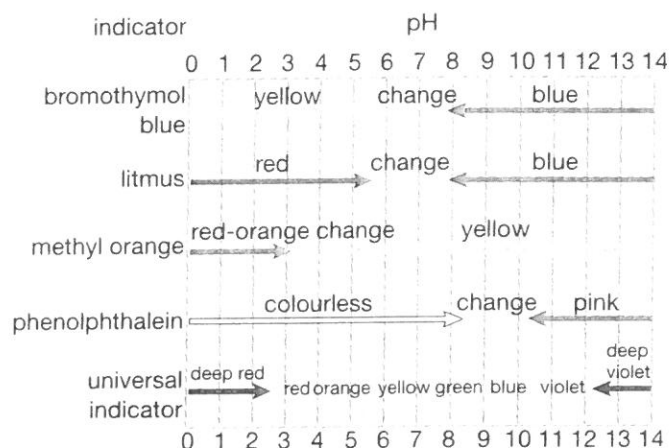
## Science understanding

Visual/spatial Logical/mathematical

Different indicators turn different colours at different pH values.

**Predict** what colour each material would give if tested with the indicators shown.

**Use** your answers to complete the table below.



	pH	litmus	bromothymol blue	methyl orange	phenolphthalein	universal indicator
floor cleaner	10.0					
ammonia solution	11.0					
brass polish	9.5					
calcium hydroxide solution	11.9					
carpet shampoo	5.9					
cream cleanser	8.8					
dilute caustic soda	13.0					
dilute nitric acid	1.0					
dishwashing liquid	5.5					
kitchen cleaner	11.0					
lemon juice	2.5					
milk	6.8					
oranges	3.2					
oven spray	12.5					
tea	5.2					
toothpaste	6.8					
vinegar	2.9					
wine	3.8					