

Homework 4.1

1. Complete the following table by circling the correct answer.

Type of Solution	Typical pH of solution	Colour of solution with universal indicator	Example of type of solution
acidic solution	below 7 equals 7 above 7	blue green red	pure water ammonia lemon juice
alkali solution	below 7 equals 7 above 7	blue green red	pure water ammonia lemon juice
neutral solution	below 7 equals 7 above 7	blue green red	pure water ammonia lemon juice

9

2. Use the word bank to complete the following table.

wordbank			
baking soda	sulphuric acid	vinegar	sodium hydroxide

Laboratory Acid	
Laboratory Alkali	
Household Acid	
Household Alkali	

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3. What happens to the pH of an acid when some water is added to the acid?

..... 1

4. What happens to the pH of an alkali when some water is added to it?

..... 1

total

15