

Fill in the blanks:

(a) The most commonly used natural indicator is \_\_\_\_\_ and is extracted from \_\_\_\_\_.

(b) Aqueous solution of baking soda is bitter in taste and feels soapy on touching because it contains \_\_\_\_\_.

(c) \_\_\_\_\_ are used to test whether a substance is acidic or basic in nature.

(d) \_\_\_\_\_ change their colour when added to a solution containing an acidic or basic substance.

(e) Lemon juice, orange juice taste sour because they contain \_\_\_\_\_.

(f) The solutions which do not change the colour of either blue or red litmus are called \_\_\_\_\_ solutions.

(g) Turmeric and litmus are \_\_\_\_\_ acid-base indicators.

(h) In neutralization reaction heat is always \_\_\_\_\_.

(i) Salts may be \_\_\_\_\_ or \_\_\_\_\_ in nature.

(j) Chemically milk of magnesia is \_\_\_\_\_ and baking soda is \_\_\_\_\_.

(k) China rose indicator turns \_\_\_\_\_ solution to dark pink and \_\_\_\_\_ solution to green.

(l) The correct way of making a solution of acid in water is to \_\_\_\_\_.