

Indicators Exit Quiz - Student Edition

MULTIPLE CHOICE – Select the best answer

1. What would be the best way to determine if a substance is an acid or a base?
 - a) Drop some on your skin.
 - b) Taste it.
 - c) Use an indicator such as litmus or universal indicator.
 - d) Add it to some metal and test any gas that evolves.
2. If a student tested a solution with blue litmus paper and it remained blue, what does this mean?
 - a) The litmus paper is old, they should open a new pack and try again.
 - b) The solution is neutral.
 - c) The solution is an acid.
 - d) The solution is a base.
3. Which of the following statements about litmus and universal indicator are true?
 - a) Universal indicator can determine the strength of an acid or base, whereas litmus cannot.
 - b) Litmus gives qualitative data while universal indicator provides quantitative data.
 - c) Both litmus and universal indicator test solutions not solids.
 - d) All these statements are correct.
4. What color would you expect an acidic solution to turn if universal indicator was added to it?
 - a) Yellow
 - b) Dark Green
 - c) Blue
 - d) Violet
5. What color would you expect basic solution to turn if universal indicator was added to it?
 - a) Green
 - b) Violet
 - c) Red
 - d) Yellow

