

On your answer sheet, write in or circle the correct letter for each question.

**7Fa**

- 1 Acids taste:
  - A fishy
  - B salty
  - C sour
  - D sweet.
- 2 The name of an acid in lemon juice is:
  - A citric acid
  - B ethanoic acid
  - C lemonic acid
  - D sulfuric acid.
- 3 You can prevent acids from splashing into your eyes by wearing:
  - A an overall
  - B gloves
  - C long hair tied back
  - D safety spectacles.
- 4 What does this sign mean?



- A corrosive
- B explosive
- C flammable
- D toxic

**7Fb**

- 1 Which one of these is an acid?
  - A oven cleaner
  - B salt water
  - C pure water
  - D vinegar
- 2 Which one of these is an alkali?
  - A lemon juice
  - B oven cleaner
  - C sugar solution
  - D vinegar

- 3 Red cabbage can be used as an indicator because it:
  - A changes colour
  - B comes from a plant
  - C is an acid
  - D is an alkali.
- 4 The colour of litmus in sulfuric acid is:
  - A blue
  - B green
  - C purple
  - D red.

**7Fc**

- 1 The pH of pure water is:
  - A 1
  - B 5
  - C 7
  - D 11
- 2 The colour of universal indicator in a substance that is very acidic is:
  - A green
  - B orange
  - C purple
  - D red.
- 3 The pH of a substance that is slightly alkaline could be:
  - A 1
  - B 5
  - C 9
  - D 13
- 4 Universal indicator is added to a solution. The solution turns purple. The solution contains:
  - A citric acid
  - B hydrochloric acid
  - C sodium hydroxide solution
  - D only water.

**7Fd**

- The reaction between an acid and an alkali is:
  - acidification
  - condensation
  - evaporation
  - neutralisation.
- A solution of pH 3 was mixed with a solution of pH 9. The final pH could be:
  - 2
  - 6
  - 10
  - 12
- An acid reacted with an alkali to form a salt and water. Which of these are the reactants?
  - acid and alkali
  - acid and salt
  - alkali and water
  - salt and water
- Nitric acid reacts with sodium hydroxide solution to form a salt and water. Which of the following is the correct word equation?
  - nitric acid + sodium hydroxide → salt + water
  - nitric acid + sodium hydroxide → sodium nitrate + water
  - salt + water → nitric acid + sodium hydroxide
  - sodium nitrate + water → nitric acid + sodium hydroxide

**7Fe**

- Indigestion tablets always contain:
  - acids
  - antacids
  - antibiotics
  - indicators.
- Which of the following is a base?
  - citric acid
  - copper oxide
  - pure water
  - vinegar
- A wasp sting has a pH of 10. You can treat a wasp sting with:
  - water
  - toothpaste
  - vinegar
  - sodium hydroxide.
- The salt formed when sulfuric acid reacts with iron oxide (rust) is:
  - iron chloride
  - iron hydroxide
  - iron nitrate
  - iron sulfate.