

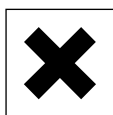
On your answer sheet, write in or circle the correct letter for each question.

7Ea

- 1 Acids taste:
- A sweet.
 - B bitter.
 - C sharp.
 - D salty.
- 2 The name of an acid in lemon juice is:
- A citric acid.
 - B hydrochloric acid.
 - C sulphuric acid.
 - D acetic acid.
- 3 Which of these foods will contain most acid?
- A frozen peas
 - B rice pudding
 - C pickled onions
 - D chips
- 4 Which list has three foods which all contain vitamin C (ascorbic acid)?
- A peas, oranges, cabbage
 - B bread, peas, baked beans
 - C oranges, bread, baked beans
 - D oranges, bread, cabbage

7Eb

- 1 What does this sign mean?



- A flammable
 - B harmful
 - C poisonous
 - D explosive
- 2 Acids:
- A are always dangerous.
 - B are more dangerous when concentrated than when diluted.
 - C are more dangerous when diluted than when concentrated.
 - D can be made safe by heating them.

- 3 The hazard warning signs on chemical tankers:
- A tell the driver of the lorry what the maximum safe driving speed is.
 - B tell other drivers the distance to stay back from the lorry.
 - C allow the police to check the speed of the tanker.
 - D help the emergency services deal with a spillage if there is an accident.
- 4 Alkalis:
- A are much safer than acids.
 - B can be more dangerous than acids.
 - C are always more dangerous than acids.
 - D are not allowed to be transported by road.

7Ec

- 1 Litmus can be used as an indicator because it:
- A is an acid.
 - B is an alkali.
 - C changes colour.
 - D comes from a plant.
- 2 Which one of these is an acid?
- A tap water
 - B salt water
 - C vinegar
 - D soap
- 3 Which one of these is an alkali?
- A lemon juice
 - B toothpaste
 - C vinegar
 - D tap water
- 4 Which of these is not neutral?
- A salty water
 - B sugary water
 - C tap water
 - D soapy water

7Ed

- The pH scale indicates
 - how hot something is.
 - how acid or alkaline something is.
 - how long something is.
 - how much substance is dissolved in a solution.
- The pH number of a strong acid is:
 - 1
 - 5.5
 - 7
 - 9
- The pH number of a weak alkali is:
 - 1
 - 5.5
 - 7
 - 9
- What colour will universal indicator turn when mixed with a strong alkali?
 - red
 - orange
 - green
 - purple

7Ee

- A wasp sting has a pH of about 10. You could treat it best using:
 - a strong acid.
 - a weak acid.
 - a weak alkali.
 - a strong alkali.
- The word which best describes what happens when an acid reacts with an alkali is:
 - acidification.
 - evaporation.
 - neutralisation.
 - alkification.
- If you took a solution of pH 5 and diluted it with water, the pH number would:
 - go down by one or two.
 - stay the same.
 - go up by one or two.
 - go up by three or four.
- If you mixed a solution of pH 4 with one of pH 8, the final pH could be:
 - 2
 - 6
 - 10
 - 12