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Class: 7A/B

Neutralisation

Q1 Fill in the boxes with correct pH value:

Observe the images and their pH values.

Classify each substance as an acid, neutral or a base.

Acid	Neutral Substance	Base		
pH 6 11 2	pH 7	pH 14 9		
 pH 14 Concentrated solution of alkali	 pH 7	 pH 6	 pH 9	 pH 2

Q2 Choose the correct alternative:

1 What is neutralization?

- a) ☒ A reaction between an acid and a base
- b) ☐ A reaction between two acids
- c) ☐ A reaction between two bases
- d) ☒ A reaction between an acid and salt

2 What are the products of a neutralization reaction?

- a) ☒ Salt and hydrogen
- b) ☒ Salt and water
- c) ☐ Acid and water
- d) ☐ Base and salt

3 Which of the following is an everyday example of neutralization?

- a) Adding lemon juice to water
- b) Using baking soda to neutralize stomach acid
- c) Mixing oil and water
- d) Dissolving sugar in water

4 Why is neutralization important in agriculture?

- a) It reduces acidity in soil, helping crops grow better
- b) It increases acidity in soil, helping crops grow better
- c) It turns fertilizers into pesticides
- d) It has no effect on farming

5 Which of the following is an example of a neutralization reaction?

- a) $\text{HCl} + \text{NaOH} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
- b) $\text{H}_2 + \text{O}_2 \rightarrow \text{H}_2\text{O}$
- c) $\text{Na} + \text{Cl}_2 \rightarrow \text{NaCl}$
- d) $\text{H}_2\text{SO}_4 + \text{Zn} \rightarrow \text{ZnSO}_4 + \text{H}_2$

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7 If a solution of hydrochloric acid (HCl) is neutralized by a base, the pH of the resulting solution will be closest to...

- a) 1
- b) 3
- c) 7
- d) 10

8

Which of the following substances would neutralize vinegar (which contains acetic acid)?

- a) Lemon juice
- ☒ b) Soap water
- c) Distilled water
- d) Sugar solution

9

Which of the following is true after a neutralization reaction?

- a) The solution always becomes acidic
- b) The solution becomes basic
- ☒ c) The pH becomes neutral (close to 7)
- d) The pH becomes zero

10

Which of the following best describes the neutralization reaction between sulfuric acid (H_2SO_4) and potassium hydroxide (KOH)?

- a) It produces hydrogen gas
- ☒ b) It produces salt and water
- c) It produces oxygen gas
- d) It produces potassium sulfate and hydrogen

Q3 Answer the questions given below:

a) Describe the role of indicators in neutralization reactions.

Substance to find if it acidic or basic

Provide at least one example to explain how the concept of neutralization can be applied in everyday life.

Using Baking soda to neutralize acidity

4

Persuasive Techniques

16TH OCTOBER 2012
WORLD FOOD DAY

Hunger kills 2.5 million children every year.
Your donation nourishes. www.unicef.ch

1st Persuasive technique used - Logos

Effect - ^(Statistics) Its telling how many children die due to hunger.

2nd Persuasive technique used - Use of Personal Pronouns

Effect - They say that your donation nourishes.



unicef

LIVEWORKSHEETS

3

Types of sentences?

Declarative

1st type of sentence - ~~ImP~~ *Declarative*

Evidence - ~~HUNGER kills 2.5 million children every year.~~

Effect - ~~It stating that approx 2.5 million children die because of hunger.~~

16TH OCTOBER 2012
WORLD FOOD DAY

Hunger kills 2.5 million children every year.
Your donation nourishes: www.unicef.ch



unicef 

2

Objects?

Setting?

Main focus?

16TH OCTOBER 2012
WORLD FOOD DAY

Hunger kills 2.5 million children every year.
Your donation nourishes: www.unicef.ch

To ^{persuade} encourage people to donate - - -

What is the main focus?

The Main focus is to stop world
Hunger.

How is the setting connected to the
main focus in the PSA?

The font is nice and bold. The image
looks like a fork and a hand.

very grim setting - black and grey
setting - Fork - in the shape of a hand
asking for food.



unicef

LIVEWORKSHEETS

1

Purpose?

Global issue?

Target audience?

16TH OCTOBER 2012
WORLD FOOD DAY

Hunger kills 2.5 million children every year.
Your donation nourishes: www.unicef.ch

Persuade people to donate to UNICEF - - -

What is the purpose and global issue of this PSA? - The purpose of this PSA is to stop World Hunger

Who is the target audience of this PSA?

Parents, childrens, organization etc. General public



unicef

LIVEWORKSHEETS

5

Text
(Font, Size & Colours)

Yellow, bigger font —
grabs the attention —
What's?

What can you say about the text in this PSA? —

The text is bold
highlighting important points of the PSA's

What effect does this text have on the audience? —

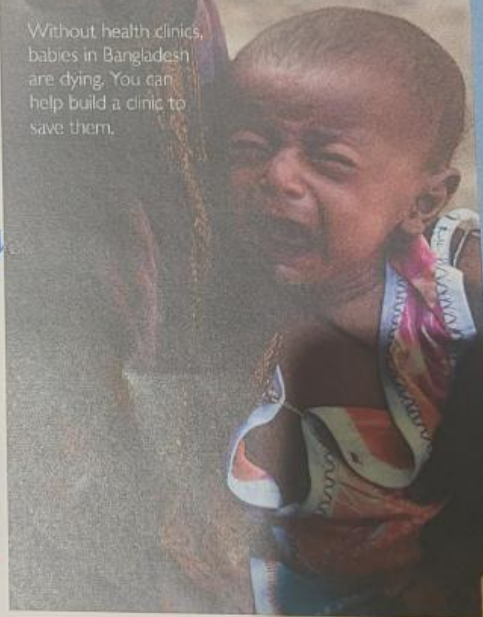
This text tells the audience that we can help build a clinic in Bangladesh.

Very impactful and makes us feel that we need to do something immediately

SIX MINUTES

THAT'S HOW OFTEN A
BABY LIKE NIROB DIES.

Without health clinics,
babies in Bangladesh
are dying. You can
help build a clinic to
save them.



ONE MINUTE.

THAT'S HOW QUICKLY
YOU CAN HELP HIM.



Give £5 now to help build a
life-saving clinic in Bangladesh.

TEXT **CLINIC**
TO **70008** NOW.



Save the Children

4

Persuasive Techniques

1st Persuasive technique used - *Pathos*
Emotive Language

Effect - *It appeals to our emotions to know a baby is dying.*

2nd Persuasive technique used - *use of Personal Pronouns*

Effect - *The author has used "you" which tells that we have to build a clinic through donations.*

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Save the Children

3

Types of sentences?

1st type of sentence - Declarative

Evidence - That's how often a baby like Nirob dies

Effect - It tells how often babies die (Drives home hard facts)

2nd type of sentence - Imperative

Evidence - Give £5 pounds now - without health clinics babies in Bangladesh are dying

Effect - It tells us that there are no health clinics in Bangladesh and babies are dying without it. Encourage public to act immediately

SIX MINUTES

THAT'S HOW OFTEN A BABY LIKE NIROB DIES.

Without health clinics, babies in Bangladesh are dying. You can help build a clinic to save them.



ONE MINUTE.

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Save the Children

LIVEWORKSHEETS

2

Objects?

Setting?

Main focus?

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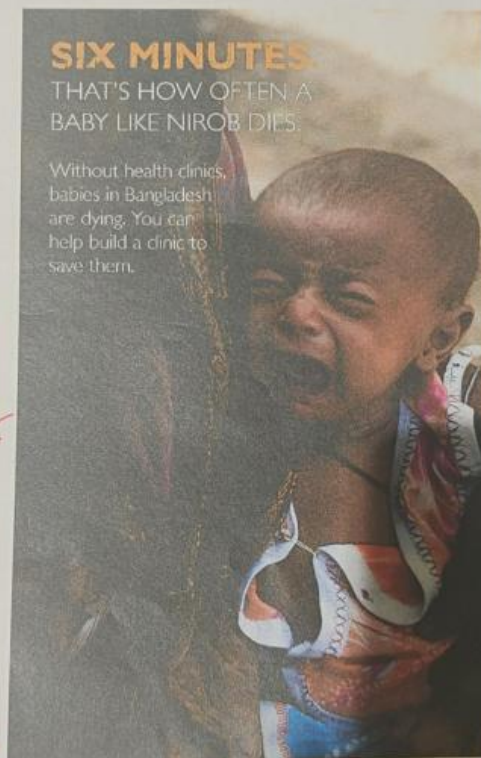


Give £5 now to help build a
life-saving clinic in Bangladesh.

TEXT **CLINIC**
TO **70008** NOW.



Save the Children



What is the main focus? - Babies
are dying in Bangladesh every
six minutes due to

lack of basic medical health
facilities.

How is the setting connected to the
main focus in the PSA? -

~~There is no clinic in Bangladesh.~~

Grim setting - graphic
image to arouse
sympathy and call for
action

Your analysis appears hurried — you need to give more thought to what you write. Familiarize yourself with all the persuasive techniques first! IMPROVE YOUR HANDWRITING!

Tarush
7B

Atype

1

Purpose?

Global issue?

Target audience?

persuade people to donate for this cause
What is the purpose and global issue of this PSA? — The purpose is to build a clinic to save dying babies

Who is the target audience of this PSA? — Parents, organizations etc.

General public

SIX MINUTES

THAT'S HOW OFTEN A BABY LIKE NIROB DIES.

Without health clinics, babies in Bangladesh are dying. You can help build a clinic to save them.



ONE MINUTE.

THAT'S HOW QUICKLY YOU CAN HELP HIM.



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Save the Children