

MINISTRY OF EDUCATION
SECONDARY ENGAGEMENT PROGRAMME
GRADE 10
CHEMISTRY

WEEK 13

WORKSHEET

1. Write a step by step method of how you would go about preserving onion rings at home.
In your report do the following:
 - a. Give your exercise a title and an aim.
 - b. List all the materials you used.
 - c. Draw a simple diagram to show the apparatus.
 - d. Write out the method you used. Since you did it, then it must be written in the past tense.
 - e. Write a discussion and be sure to include:
 - name the preservative you used
 - explain why this preservative was used (give scientific perspective)
2. Neutralization substances have either acidic, basic, or neutral properties. True/False
3. Neutralization is not useful in our daily life. True/False
4. When an acid is mixed with a base in the right proportion, they cancel the effect of each other. This reaction is called ____
 - a. Chemical reaction
 - b. Neutralization
 - c. Titration
5. An ant's sting gives a lot of pain due to _____.
6. Excessive use of chemical fertilizers makes the soil acidic. Neutralizing the soil with a base like quick lime, which is calcium oxide, or _____
 - a. Formic acid
 - b. Slaked lime
 - c. Lime water

7. Our stomach contains hydrochloric acid. To relieve the indigestion of food a person must take _____.
- Water
 - Milk of magnesia
 - Hydrochloric acid
8. What is applied to the skin when an ant bites.
- Calamine lotion
 - Calcium hydroxide
 - Milk of magnesia
9. In the reaction between hydrochloric acid and sodium hydroxide, phenolphthalein is added as an _____.
10. Phenolphthalein is pink in sodium hydroxide. What is its colour change when hydrochloric acid is added to it?
- Remains pink
 - Turns pale pink and then colourless
 - Turns to a colourless solution.

**MINISTRY OF EDUCATION
SECONDARY ENGAGEMENT PROGRAMME
GRADE 10
CHEMISTRY**

WEEK 13

WORKSHEET - ANSWERS

1. Neutralisation substances have either acidic, basic, or neutral properties. **True**
2. Neutralization is not useful in our daily life. **False**
3. When an acid is mixed with a base in the right proportion, they cancel the effect of each other. This reaction is called ____
 - d. Chemical reaction
 - e. **Neutralization**
 - f. Titration
4. An ant's sting gives a lot of pain due to _____.
5. Excessive use of chemical fertilizers makes the soil acidic. Neutralizing the soil with a base like quick lime, which is calcium oxide, or _____
 - d. Formic acid
 - e. **Slaked lime**
 - f. Lime water
6. Our stomach contains hydrochloric acid. To relieve the indigestion of food a person must take _____.
 - d. Water
 - e. **Milk of magnesia**
 - f. Hydrochloric acid
7. What is applied to the skin when an ant bites.
 - d. **Calamine lotion**
 - e. Calcium hydroxide
 - f. Milk of magnesia
8. In the reaction between hydrochloric acid and sodium hydroxide, phenolphthalein is added as an **Indicator**.
9. Phenolphthalein is pink in sodium hydroxide. What is its colour change when hydrochloric acid is added to it?
 - d. Remains pink
 - e. Turns pale pink and then colourless
 - f. **Turns to a colourless solution.**