1. Formation of gas by the action of dilute sulphuric acid on zinc.	
⊕ Hydrogen Oxygen Nitrogen None of these	2
2. Magnesium Ribbon burns with a dazzling white flame and changes ito a white powder (True/False)	
Answer: True	2
3. Magnesium oxide is formed due to reaction between	
Answer: Magnesium + Oxygen (2Mg + O₂ → 2MgO)	2
4. What happens when milk is left at room temperature during summers?	
 It freezes It curdles due to bacterial action It evaporates completly It turns into butter 	2
5. What happens to an iron nail when left exposed to a humid atmosphere?	2
○ It remains unchange ○ It melts ● It rusts due to oxidation ○ It becomes shinier	_
6. What process occurs when grapes get fermanted?	2
 O Photosynthesis O Evaporation O Chemical change leading to alcohol formation O Freezing 7. How do we know a chemical reaction has taken place? 	2
 There is always a change in color The substance always turns into a gas The identity of the orignal substance changes The state of matter remains the same What is one common characteristics of all the given situations (milk curdling, iron rusting, food digestion, etc)? 	2
 They all involve a physical change They all are reversible changes They involve the formation of new substances All of Above 	2
9. Which of the following is an example of a physical change?	=
 Burning of Magnesium ribbon Digestion of food Melting of ice Fermentation of Grapes 	2

 Reaction with oxygen and water Reaction with nitrogen in the air High temperature exposure The presence of Carbon Dioxide When food gets cooked, what kind of change occurs? 	2
 Only a physical change Only a chemical change Both Physical and Chemical Change No changes occurs What is the main reason for using sandpaper before burning magnesium ribbon ? 	2
 To make it more shinier To remove the oxide layer for better burning To make it easier to hold To increase the weight of the ribbon 	2
 13. What is the product formed when magnesium burns in the presence of oxygen? O Magnesium chloride O Magnesium carbonate Magnesium oxide O Magnesium Hydroxide 	2
 14. Which of the following is not an indication of chemical reaction? Evolution of gas Formation of precipitate Melting of a solid into liquid Change in color 	2
 15. Which type of reaction occurs during respiration? O Exothermic reaction O Endothermic reaction O Redox reaction O Both Exothermic and Redox reaction 	2
 16. Which of the following reaction occur during the burning of magnesium ? Magnesium undegoes reduction Magnesium undergoes oxidation A neutralization reaction occurs A displacement reaction occurs 	2
17. What is the primary gas required for the combustion of magnesium ? ○ Nitrogen ② Oxygen ○ Carbon dioxide ○ Hydrogen	2

10. The rusting of iron in a humid atmospher is due to:

18. In the activity described why is magnesium ribbon held with tongs?	_
 Because it is too small to hold with fingers Because it reacts violently and is very hot when burnt To avoid contamination To ensure even burning What is the color of the flame when magnesium burns? 	2
O Blue O Red White O Green	2
20. What kind of reaction is fermentation ?	
○ Physical ⊚ Chemical ○ Nuclear ○ None of Above	2
21. Which of the following is an example of an irreversible reaction	
 Dissolving salt in water Evaporation of water Cooking food Freezing of water 	2
22. What type of reaction takes place when iron rust?	2
Oxidation ○ Neutralization ○ Reduction ○ Polymerization	2
23. What happens when a chemical reaction occurs ?	2
 O The total mass changes O The number of atom decreases The identity of the orignal substance changes O The substance undergoes only a state change 24. What is the purpose of adding an arrows in a word equation? 	2
 To seperate reactants from products To indicate the direction of the reaction To show the type of chemical reaction To represent the equation 	2
25. Which change can help determine whether a chemical reaction has taken place?	2
○ Change in color ○ Evolution of gas ○ Change in state ⑥ All of above	
26. What is the product formed when zinc reacts with dilute sulphuric acid?	2
⊕ Hydrogen gas	_
27. In the reaction between magnesium and oxygen, what are the reactants?	2
 Magnesium and potassium iodide Zinc and dilute sulphuric acid Magnesium and oxygen Potassium iodide and lead nitrate 	-

O To make it easier to read O To show the direction of the reaction O To seperate reactants from products To simplify the equation 29. In the reaction between potassium iodide and lead nitrate, what is the product formed? O Hydrogen gas O Magnesium oxide Lead iodide O Zinc oxide 30. What is the significance of using a plus sign (+) between reactants in a word equation? O To indicate the type of chemical reaction To sperate reactants from products O To show the direction of the reaction O To represent the equation 31. Why it is important to handle acid with care when performing an activity involving chemical reactions? O Because it can cause skin irritation O Because it can release toxic fumes
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Both a and b
O Neither of Above 32. What is the difference between a word-equation and a chemical equation ?
 A word-equation uses symbols, while a chemical equatioon uses words. A word-equation shows reactants on the LHS, while a chemical equation shows products on the RH There is no difference between the two A word equation represents physical change and chemical equation represents chemical change