

# NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH, K.S.A

Affiliated to CBSE – New Delhi, Affiliation No. 5730008



## WORKSHEET-1

**GRADE: 8 – ANNUAL EXAMINATION (2020--2021)**

**SUBJECT: SCIENCE**

Block-8,18,26

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### I. Choose the correct answer

1. Metals generally react with dilute acids to produce hydrogen gas .Which one of the following metals do not react with dilute hydrochloric acid?
  - a.Magnesium
  - b.Aluminium
  - c.Iron
  - d.Copper
2. Which of the following reacts with cold water vigorously?
  - a.Carbon
  - b.Sodium
  - c.Magnesium
  - d.Sulphur
3. Generally metallic oxides are basic and non metallic oxides are acidic in nature. Solution of which of the following oxides in water will change the colour of blue litmus to red?
  - a.Sulphur dioxide
  - b.Magnesium oxide
  - c.Iron oxide
  - d.Copper oxide
4. After fertilization,the resulting cell which give rise to a new individual is the
  - a.Embryo
  - b.Ovum
  - c.Foetus
  - d.Zygote
5. Which of the following statements about reproduction in humans is correct?
  - a. Fertilisation takes place externally
  - b.Fertilisation takes place in the testes
  - c.During fertilization egg moves towards the sperm
  - d.Fertilisation takes place in the human female.

6. In human beings after fertilization, the structure which gets embedded in the wall of uterus is
  - a.Ovum
  - b.Embryo
  - c.Foetus.
  - d.Zygote
7. Which of the following metals is used in electroplating to make objects appear shining?
  - a.Iron
  - b.Copper
  - c.Chromium
  - d.Aluminium
8. A tester is used to check the conduction of electricity through two liquids, labelled A and B .It is found that the bulb of the tester glows brightly for liquid A while it glows very dimly for liquid B. You would conclude that
  - a. Liquid A is better conductor than liquid B.
  - b. Liquid B is better conductor than liquid A
  - c.Both liquids are equally conducting.
  - d.Conducting properties of liquid cannot be compared in this manner
9. Which of the following liquids do not conduct electricity?
  - a. Sugar solution
  - b. Lemon juice
  - c. Liquid soap
  - d. Salt solution

**II. Answer the following in a word or sentence. (6x1)**

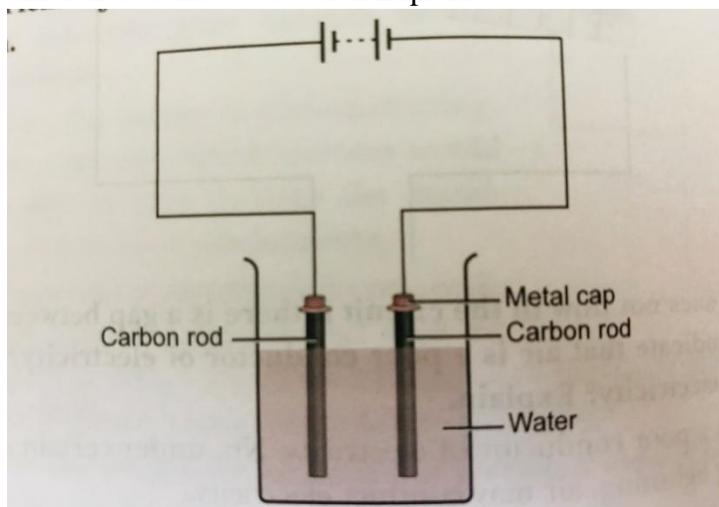
10. Zinc sulphate forms a colourless solution in water. Will you observe any colour on adding copper turning in it?
11. Which of the following metal can displace the other two metals from their salt solutions?  
Zinc,Iron,Copper
12. Why do only male gametes have a tail?
13. Which connection should we use for a circuit so that the same current passes through all the components?
14. Define electrolysis.
15. Although 2 cells called gametes fuse,the product formed is a single cell called zygote.Justify.

**III. Answer the following in a word or sentence. (5x2)**

16. Tin is electroplated on iron to make cans used for storing food. Why?
17. Rani wants to deposit silver on an iron spoon. She took silver nitrate ( $\text{AgNO}_3$ ) solution in a beaker and set up a simple circuit for electroplating. Which terminal of the battery should the spoon be connected to?What material should the other electrode be made of?
18. Rinu bought a statue made of copper.To her surprise it acquired a dull green coating after a couple of months.State the reason.
19. Can you store lemon pickle in an aluminium utensil?Explain
20. What is cloning?

**IV. Answer the following questions briefly:**

21. How is embryo development different in oviparous animals as compared to humans?
22. Describe the process of fertilization in human beings.
23. What happens when
  - a. dilute sulphuric acid is poured on copper sulphate?
  - b. iron nails are placed in copper sulphate solution.Write word equations for the reactions involved.
24. Salwa took a piece of burning charcoal and collected the gas evolved in a test tube.
  - a. How will she find the nature of gas ?
  - b. Write down word equations of all the reactions taking place in this process.
25. Give reasons for the following
  - a. Copper cannot displace zinc from its salt solution.
  - b. Sodium and potassium are stored in kerosene.
26. Does pure water conduct electricity ? If not, what can we do to make it conducting?
27. Amar made the circuit shown below. He wanted to observe what happens when an electric current is passed through water. But he forgot to add a few drops of lemon juice to water. Will it make any difference to his observation. Explain



**V. Answer the following in detail :**

28. Explain the process illustrated by the experimental set-up given below :

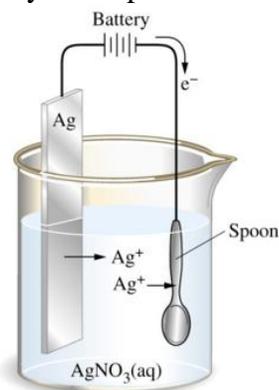


Fig : 1

29. Draw a neat labelled diagram of female reproductive system in humans.
  30. List four uses of electroplating.
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