

**AL KHOZAMA INTERNATIONAL SCHOOL,DAMMAM**

**Affiliated to CBSE – New Delhi, No:5730019**



**WORKSHEET -1**

**GRADE: VIII**

**SUBJECT: SCIENCE**

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**I. Choose the correct answer**

**(1x19)**

1 What are disease causing microorganisms called?

- (a) Virus
- (b) Bacteria
- (c) Pathogens
- (d) Epidemic

2. What two cities was nylon discovered in?

- (a) New York, Leads
- (b) Los Angles, London
- (c) Jakarta, Riyadh
- (d) New York, London

3. What is the most reactive element?

- (a) Potassium
- (b) Sodium
- (c) Platinum
- (d) Lead

4. Where is white phosphorus stored in?

- (a) Kerosene
- (b) Keratin
- (c) Water
- (d) none of these

5. In asexual reproduction the offspring is \_\_\_\_ to the parent?

- (a) Identical
- (b) Fraternal

- (c) Not identical
- (d) None of these

6. What was Robert Boyle's contribution regarding transmission of sound?

- (a) Sound waves can travel without material medium.
- (b) Sound wave can travel in material medium only.
- (c) Sound wave may travel in material medium or without any material medium.
- (d) None of these

7. If 2 mirrors are kept at an angle of 90 degrees, how many images will be formed .

- (a) 4
- (b) 3
- (c) 2
- (d) 1

8. The sound wave travels fastest in \_\_\_\_\_.

- (a) Solid
- (b) Liquid
- (c) Gel
- (d) Gas

9. The diseases spread by direct or indirect contact with air, water and food are called \_\_\_\_\_.

10. A polymer is a long chain consisting of many \_\_\_\_\_ units.

11. Metals react with acid to release \_\_\_\_\_ gas.

12. Substances which burn when ignited are called \_\_\_\_\_ substances.

13. Microorganisms are very important for the \_\_\_\_\_ of life on the earth.

14. All living things produce young offsprings to ensure the \_\_\_\_\_ of species.

15. Sound is a \_\_\_\_\_ wave while light wave is a transverse wave.

16. The SI Unit of measuring light intensity is \_\_\_\_\_.

17. Fibers that are made by combining 2 or more different fibers are called \_\_\_\_\_.

18. Viruses are specially used in \_\_\_\_\_.

19. Highly reactive metals like \_\_\_\_\_ react with bases to produce salt and hydrogen gas.

**II. Answer the following in a word or sentence.**

**(1x6)**

20. write the full form of PET. What is the main advantage of PET.

21. Is iron an example of a combustible or non-combustible substance?

22. Who discovered the first vaccination?

23. Acrylic fiber was first developed in which country?

24. Which fiber is known as a regenerated fiber?

25. Give some examples of combustible substances?

**III. Answer the following questions in two to three sentences (2x5)**

26. What is frequency? How is it related to pitch?

27. How long is the vocal cord of men and women? How does it affect the production of sound?

28. Which was the first antibiotic found and by whom?

29. What is formed when sodium reacts with oxygen?

30. What are the 2 modes of reproduction? Explain.

**IV. Answer the following questions in four to five sentences (3x4)**

31. What are synthetic fibers? How are they useful?

32. What happens when metals and non-metals react with oxygen? Explain with examples. Why does gold used for ornaments? Give Any two reasons.

33. How is sound transmitted to the ear from its source?

34. Draw a ray diagram to show how an image is formed by a plane mirror. Is it virtual or real? Justify your answer.

**V. Answer the following question in detail. (4x3)**

35. What are the different uses of micro organisms? Explain with examples.

36. What are the different types of combustion? Explain with examples.

37. What do you mean by sexual and asexual reproduction? Explain the advantages and disadvantages of asexual and sexual reproduction in animals?

**VI. Assertion reason type questions. (1x4)**

- a. Both A and R are true and R is the correct explanation of A
- b. Both A and R are True and R is not correct explanation of A
- c. A is true but R is false.
- d. A is false but R is true.

38. **Assertion:** Reproduction in which an organism reproduces by dividing a single cell into two cells is an asexual reproduction called binary fission.

**Reason:** since only one type of single cell is involved in binary fission it is a type of asexual reproduction.

39. **Assertion:** Sound wave travels as alternate rarefaction and compression.

**Reason:** Sound wave needs material medium to propagate.

40. **Assertion:** Virtual image is formed in a plane mirror.

**Reason:** Light rays does not travels in a straight line.

41. **Assertion:** Short sightedness or myopia is a defect of eyes in which the person suffering from this disease cannot see near object clearly.

**Reason:** In myopia the ball of eyes may get enlarged so the image is formed in front of the retina.

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