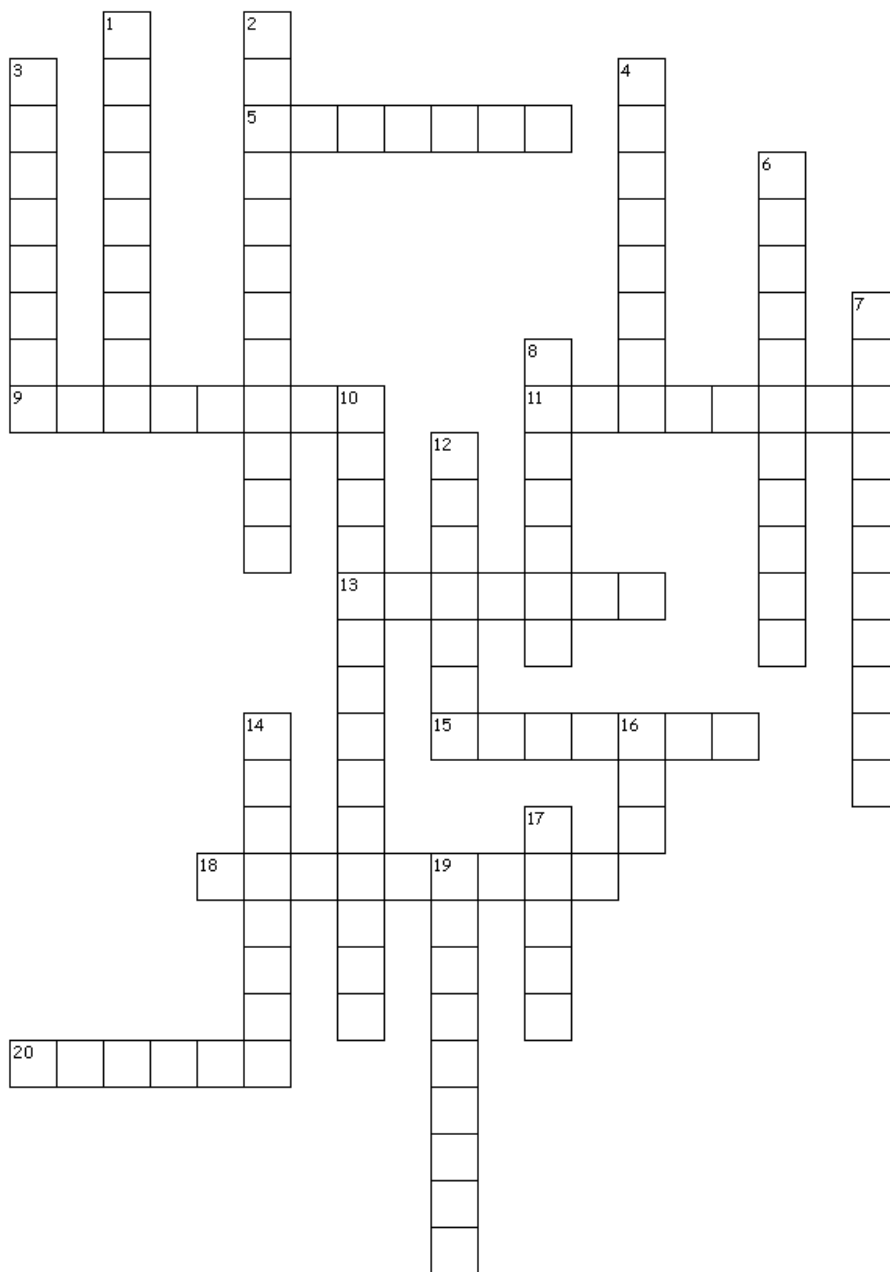


**Question 1: fill in the crossword using the following clue**



**Across**

- 5. The element with symbol 'S'
- 9. This separation technique allows any iron substances to be removed from its mixture
- 11. Common name of the element has a German name wolfram
- 13. A liquid metal at normal temperature that got its symbol from the Latin 'hydragyrum', meaning liquid silver
- 15. The process of converting a solid to a liquid
- 18. The Latin name of this element is kalium
- 20. \_\_\_\_\_ is the Latin name of copper

**Down**

- 1. Husk of rice can be separated by this method of separation
- 2. A method by which a soluble salt is removed from its solvent to get pure solvent

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3. Latin name of silver
4. The smallest part of an atom
6. Solvent can be easily removed from insoluble solute (like sand and water)
7. Groundnut and salt can be separated by this method
8. \_\_\_\_\_ is the Latin name of tin
10. Various coloured components of red ink can be separated using this separation method
12. The Latin name of sodium from which its symbol Na has come
14. A metal that has a chemical symbol 'Cr'
16. A charged element
17. Latin name of gold
19. Both iodine, and naphthalene has this property

### Question 2: Fill in the blanks:

[10]

1. Both iodine, and naphthalene are substances that \_\_\_\_\_.
2. Husk of rice can be separated by \_\_\_\_\_ method of separation
3. A solvent can be easily removed from insoluble solute (like sand and water) by \_\_\_\_\_
4. \_\_\_\_\_ is a method by which a soluble salt is removed from its solvent to get pure solvent
5. The separation technique that allows any iron substance to be removed from its mixture is \_\_\_\_\_
6. The smallest part of element is \_\_\_\_\_
7. A charged element is called \_\_\_\_\_
8. A mixture of salt and sand can be separated by \_\_\_\_\_ method.
9. Groundnut and salt can be separated by \_\_\_\_\_ method
10. The process of converting a solid to a liquid is called \_\_\_\_\_

### Question 3:

- If a metal is ductile what do you mean by the word 'ductile'? [2]  
Why is melting of butter not a chemical change? [2]  
Give reason why wet clothes are dried by hanging them in the open air [2]  
Give examples of two pungent smelling gases [2]  
Give example of two poisonous gases [2]  
Give example of two coloured gas [2]  
Give example of two pure substances, one element, and one compound [4]  
What method is used for collection of a gas, which is lighter than air and water-soluble? [2]  
"Iron expands on heating is considered as physical change" explain why? [3]

### Question 4:

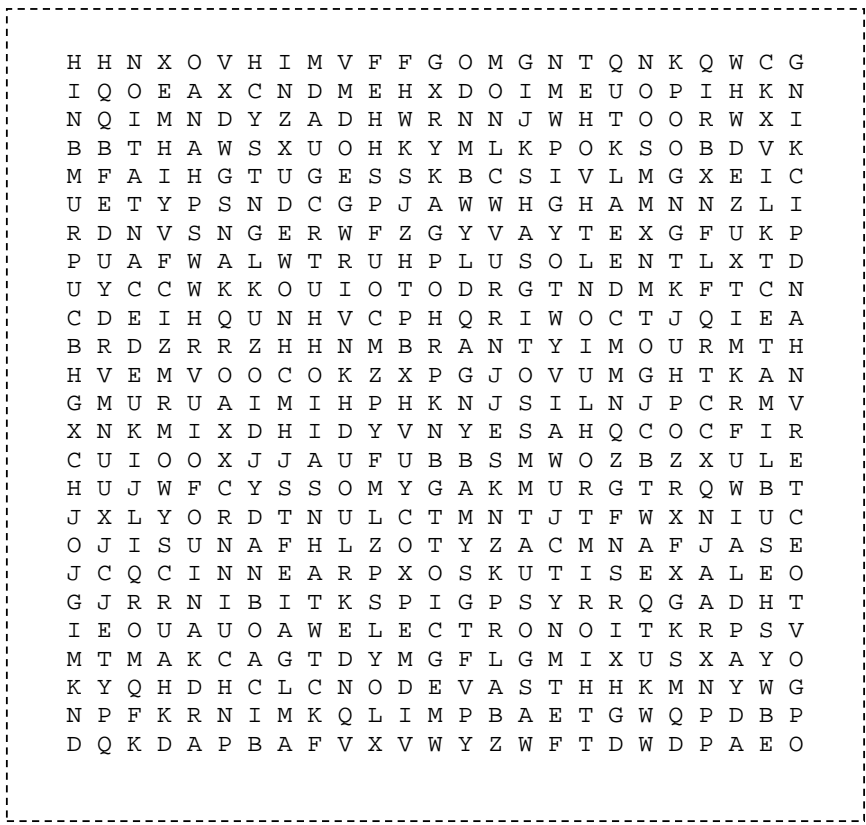
- What do you mean by the term malleable [2]  
What is the use of tripod stand and wire gauze [4]  
Give two examples of chemical substances found in nature. [2]  
Give example of two gases lighter than air [2]  
Give example of two gases fairly soluble in water [2]

### Question 5:

- Draw a neat diagram to show the evaporation method using an evaporation dish containing a salt solution placed on a sand bath and heated [4]  
Draw a diagram of distillation apparatus and Label its various parts [8]

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**Question 6:** search your answer from the following word search and mark them



1. Latin name of gold is \_\_\_\_\_
2. Latin name of silver is \_\_\_\_\_
3. Common name of the element has a German name wolfram is \_\_\_\_\_
4. \_\_\_\_\_ is a liquid metal at normal temperature that got its symbol from the Latin 'hydragyrum', meaning liquid silver
5. \_\_\_\_\_ metal that has a chemical symbol 'Cr'
6. The element with symbol 'S' is \_\_\_\_\_
7. The Latin name of sodium is \_\_\_\_\_ from which its symbol Na has come
8. The Latin name of \_\_\_\_\_ is kalium
9. \_\_\_\_\_ is the Latin name of tin
10. \_\_\_\_\_ is the Latin name of copper
11. Both iodine, and naphthalene \_\_\_\_\_
12. Husk of rice can be separated by this method of separation
13. Solvent can be easily removed from insoluble solute (like sand and water)
14. A method by which a soluble salt is removed from its solvent to get pure solvent
15. This separation technique allows any iron substances to be removed from its mixture
16. The smallest part of an atom
17. A charged element
18. Various coloured components of red ink can be separated using this separation method
19. Groundnut and salt can be separated by this method
20. The process of converting a solid to a liquid