


QUESTION PAPER
SET- 5
SUBJECT : SCIENCE
GRADE : 6

| S.N | Folder Number & Question Code | Topic | Question With Answers Options | Image (If Any) | Correct Answer (Option - A, B, C, D) | | | |
|-----|-------------------------------|-------------------------------|---|---|--|-----------------|-----------------|-----------------|
| 1. | 4_23 8992 | Sorting materials into group. | Four students are standing around a bucket of very hot water. Each student holds one end of a rod. The rods are identical in shape and size, but made of different materials - aluminium, plastic, wood and rubber. The students place the other end of the rod at the same time in the hot water. The student who will feel the heat first will be the one holding | | A | | | |
| | | | | | Answer Options | | | |
| | | | | | Option A | Option B | Option C | Option D |
| | | | the aluminium rod | the plastic rod | the wooden rod | the rubber rod | | |
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| 2. | 4_24 10232 | SORTING OF MATERIALS | Which of the above are ANIMALS? |  | C | | | |

| | | Answer Options | | | |
|-----|-------------------------------|-------------------------------|---|-----------------------------------|--|
| | | Option A | Option B | Option C | Option D |
| | | only the tiger | the tiger and pigeon | the tiger, grasshopper and pigeon | all five of them |
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| 3. | 1_3 Science 6601 | Sorting materials into groups | The concept that matches the definition 'the amount of matter in a substance' is _____. | | B |
| | | Answer Options | | | |
| | | Option A | Option B | Option C | Option D |
| | | weight | mass | kilogram | gravitational force |
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| | | | | | |
|----|------------------------|-------------------------------|---|--|---|
| 4. | 1_3 Science 7311 | Sorting materials into groups | Which is the smallest particle of sugar that still has all the properties of sugar? | | B |
|----|------------------------|-------------------------------|---|--|---|

| Answer Options | | | |
|----------------|----------|----------|----------|
| Option A | Option B | Option C | Option D |
| Atom | Molecule | Isotope | Electron |

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|-----|-------------------------------|-------|-------------------------------|------------------|--|
|-----|-------------------------------|-------|-------------------------------|------------------|--|

| | | | | | |
|----|--------------|--------------------------|---|--|---|
| 5. | 3_17 1450 | SEPARATION OF SUBSTANCES | Which surface is LEAST likely to absorb rain water? | | A |
|----|--------------|--------------------------|---|--|---|

| Answer Options | | | |
|----------------|----------------|-----------------|-------------|
| Option A | Option B | Option C | Option D |
| A tar road | A grass meadow | A cricket field | Clayey soil |

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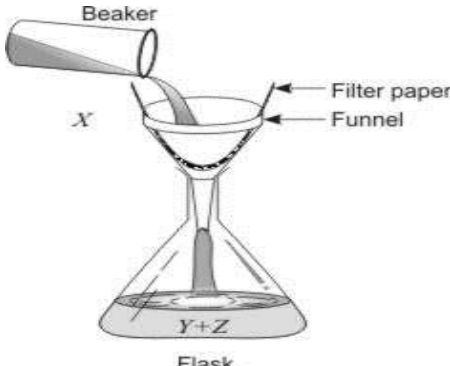
| 6. | 3_17 1452 | | Which one of these need energy to work? 1. Mobile Phones 2. Cars 3. Watches | | | | | | | | | | | | | | | |
|---------------|--|---|--|---|--|---|----------------|----------|-------|-------------|------|---------------|-------|------------|-----|-----------|------|---|
| | | Answer Options | | | | | | | | | | | | | | | | |
| | | Option A Only 2 | Option B Only 1 and 2 | Option C Only 1 and 3 | Option D 1,2, and 3 | | | | | | | | | | | | | |
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| 7. | 3_15 3506 | Separation of substances | Which of these suggests that oil and water do not mix? | | | D | | | | | | | | | | | | |
| | | Answer Options | | | | | | | | | | | | | | | | |
| | | Option A Oil is used for frying while water is not. | Option B Oil burns while water does not. | Option C Oil is sticky and black, while water is clear and wet. | Option D Oil floats in a separate layer on top of water. | | | | | | | | | | | | | |
| S.N | Folder Number & Question Code | Topic | Question With Answers Options | Image (If Any) | | Correct Answer (Option - A, B, C, D) | | | | | | | | | | | | |
| 8. | 3_17 1455 | SEPARATION OF SUBSTANCES | The freezing points of some oils are given in the table: If Surat had a maximum temperature of 29 °C and a minimum temperature of 14 °C on one day, which of these oils would have been solid for part of the day and liquid for another | <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Name of the oil</th> <th>Freezing point</th> </tr> </thead> <tbody> <tr> <td>Corn oil</td> <td>-20°C</td> </tr> <tr> <td>Coconut oil</td> <td>25°C</td> </tr> <tr> <td>Sunflower oil</td> <td>-17°C</td> </tr> <tr> <td>Peanut oil</td> <td>3°C</td> </tr> <tr> <td>Olive oil</td> <td>-6°C</td> </tr> </tbody> </table> | | Name of the oil | Freezing point | Corn oil | -20°C | Coconut oil | 25°C | Sunflower oil | -17°C | Peanut oil | 3°C | Olive oil | -6°C | B |
| | | | | Name of the oil | Freezing point | | | | | | | | | | | | | |
| | | | | Corn oil | -20°C | | | | | | | | | | | | | |
| Coconut oil | 25°C | | | | | | | | | | | | | | | | | |
| Sunflower oil | -17°C | | | | | | | | | | | | | | | | | |
| Peanut oil | 3°C | | | | | | | | | | | | | | | | | |
| Olive oil | -6°C | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| | | | part in Surat that day? | | | | | | | | | | | | | | |
|--|--|------------------------------------|---|------------------|--|----------------|--|--|--|----------|----------|----------|----------|------------------------------------|--|------------------------------------|---|
| <table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>Corn oil</td> <td>Coconut oil</td> <td>Sunflower oil</td> <td>Peanut oil</td> </tr> </table> | | | | | | Answer Options | | | | Option A | Option B | Option C | Option D | Corn oil | Coconut oil | Sunflower oil | Peanut oil |
| Answer Options | | | | | | | | | | | | | | | | | |
| Option A | Option B | Option C | Option D | | | | | | | | | | | | | | |
| Corn oil | Coconut oil | Sunflower oil | Peanut oil | | | | | | | | | | | | | | |
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| 9. | 4_25 11814 | SEPARATION OF SUBSTANCES | Which of these statements holds true for all liquids? | | B | | | | | | | | | | | | |
| <table border="1" style="width: 100%; text-align: center;"> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> <tr> <td>Liquids have a shape of their own.</td> <td>The molecules of a liquid are packed less tightly than the molecules of a solid.</td> <td>When cooled, liquids become gases.</td> <td>The volume of a liquid changes when it is poured into a different vessel.</td> </tr> </table> | | | | | | Answer Options | | | | Option A | Option B | Option C | Option D | Liquids have a shape of their own. | The molecules of a liquid are packed less tightly than the molecules of a solid. | When cooled, liquids become gases. | The volume of a liquid changes when it is poured into a different vessel. |
| Answer Options | | | | | | | | | | | | | | | | | |
| Option A | Option B | Option C | Option D | | | | | | | | | | | | | | |
| Liquids have a shape of their own. | The molecules of a liquid are packed less tightly than the molecules of a solid. | When cooled, liquids become gases. | The volume of a liquid changes when it is poured into a different vessel. | | | | | | | | | | | | | | |
| S.N | Folder Number & Question Code | Topic | Question With Answers Options | Image (If Any) | Correct Answer (Option - A, B, C, D) | | | | | | | | | | | | |
| | 4_25 | | The simplest way of separating visible solid | | A | | | | | | | | | | | | |

| 10. | 11819 | SEPARATION OF SUBSTANCES | impurities that do not dissolve in water from water is | | | | | | | | | | | | | | |
|---|--|--|---|-------------------------|---|----------------|--|--|--|----------|----------|----------|----------|---|--|--|---|
| <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>by using a sieve.</td> <td>by using a magnet.</td> <td>by chlorination.</td> <td>by stirring.</td> </tr> </tbody> </table> | | | | | | Answer Options | | | | Option A | Option B | Option C | Option D | by using a sieve. | by using a magnet. | by chlorination. | by stirring. |
| Answer Options | | | | | | | | | | | | | | | | | |
| Option A | Option B | Option C | Option D | | | | | | | | | | | | | | |
| by using a sieve. | by using a magnet. | by chlorination. | by stirring. | | | | | | | | | | | | | | |
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| 11. | 4_25 11826 | SEPARATION OF SUBSTANCES | What is the difference between evaporation and boiling? | | B | | | | | | | | | | | | |
| <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th>Option A</th> <th>Option B</th> <th>Option C</th> <th>Option D</th> </tr> </thead> <tbody> <tr> <td>There is no difference - they are exactly the same.</td> <td>Evaporation, unlike boiling, occurs at all temperatures.</td> <td>In evaporation, unlike in boiling, there is no state change.</td> <td>In boiling, unlike in evaporation, the liquid volume reduces.</td> </tr> </tbody> </table> | | | | | | Answer Options | | | | Option A | Option B | Option C | Option D | There is no difference - they are exactly the same. | Evaporation, unlike boiling, occurs at all temperatures. | In evaporation, unlike in boiling, there is no state change. | In boiling, unlike in evaporation, the liquid volume reduces. |
| Answer Options | | | | | | | | | | | | | | | | | |
| Option A | Option B | Option C | Option D | | | | | | | | | | | | | | |
| There is no difference - they are exactly the same. | Evaporation, unlike boiling, occurs at all temperatures. | In evaporation, unlike in boiling, there is no state change. | In boiling, unlike in evaporation, the liquid volume reduces. | | | | | | | | | | | | | | |
| S.N | Folder Number & Question Code | Topic | Question With Answers Options | Image (If Any) | Correct Answer (Option - A, B, C, D) | | | | | | | | | | | | |
| 12. | 4_24 10244 | SEPARATION OF SUBSTANCES | Bacteria in drinking water cause a number of diseases. Which of the following methods kills most of the bacteria in drinking water? | | C | | | | | | | | | | | | |

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Answer Options | | | |
| Option A | Option B | Option C | Option D |
| Refrigeration | Churning | Boiling | Sedimentation |

| S.N | Folder Number & Question Code | Topic | Question With Answers Options | Image (If Any) | Correct Answer (Option - A, B, C, D) |
|-----|-------------------------------|-------|-------------------------------|------------------|--|
|-----|-------------------------------|-------|-------------------------------|------------------|--|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|---------------|--------------------------|---|---|--|---|---|---|----------|---------------|------------|-----|----------|-----|---------------|-------|----------|---------------|-------|------|----------|-------|-------|-------------|---|
| 13. | 4_24 10239 | SEPARATION OF SUBSTANCES | When filtered through a funnel into a flask, a mixture of substances X, Y and Z get separated as below:- X stays in the filter Y and Z filter through and collect in the flask .What could X, Y and Z be? | <table border="1" style="margin-bottom: 10px;"> <tr> <td></td> <td style="text-align: center;">X</td> <td style="text-align: center;">Y</td> <td style="text-align: center;">Z</td> </tr> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">Chilli powder</td> <td style="text-align: center;">Tea leaves</td> <td style="text-align: center;">Oil</td> </tr> <tr> <td style="text-align: center;">B</td> <td style="text-align: center;">Oil</td> <td style="text-align: center;">Pepper powder</td> <td style="text-align: center;">Water</td> </tr> <tr> <td style="text-align: center;">C</td> <td style="text-align: center;">Mustard seeds</td> <td style="text-align: center;">Water</td> <td style="text-align: center;">Salt</td> </tr> <tr> <td style="text-align: center;">D</td> <td style="text-align: center;">Water</td> <td style="text-align: center;">Sugar</td> <td style="text-align: center;">Soap powder</td> </tr> </table>  | | X | Y | Z | A | Chilli powder | Tea leaves | Oil | B | Oil | Pepper powder | Water | C | Mustard seeds | Water | Salt | D | Water | Sugar | Soap powder | C |
| | X | Y | Z | | | | | | | | | | | | | | | | | | | | | | |
| A | Chilli powder | Tea leaves | Oil | | | | | | | | | | | | | | | | | | | | | | |
| B | Oil | Pepper powder | Water | | | | | | | | | | | | | | | | | | | | | | |
| C | Mustard seeds | Water | Salt | | | | | | | | | | | | | | | | | | | | | | |
| D | Water | Sugar | Soap powder | | | | | | | | | | | | | | | | | | | | | | |

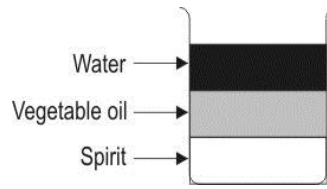
| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Answer Options | | | |
| Option A | Option B | Option C | Option D |
| A | B | C | D |

| S.N | Folder Number & Question Code | Topic | Question With Answers Options | Image (If Any) | Correct Answer (Option - A, B, C, D) | | | | | | | | | | | | |
|--|---|--|---|------------------|--|----------------|--|--|--|----------|----------|----------|----------|--|---|--|---|
| 14. | 4_24 10234 | SEPARATION OF SUBSTANCES | Dishonest traders sometimes mix adulterants (for example, small stones in rice, water in milk, chalk powder in flour) to the food stuffs they sell. Which of these properties would the adulterant always have? | | C | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Answer Options</th> </tr> <tr> <th style="width: 25%;">Option A</th> <th style="width: 25%;">Option B</th> <th style="width: 25%;">Option C</th> <th style="width: 25%;">Option D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">It must look exactly the same as the food stuff.</td> <td style="text-align: center;">It must taste exactly the same as the food stuff.</td> <td style="text-align: center;">It must be cheaper compared to the food stuff.</td> <td style="text-align: center;">It must be a naturally-occurring substance.</td> </tr> </tbody> </table> | | | | | | Answer Options | | | | Option A | Option B | Option C | Option D | It must look exactly the same as the food stuff. | It must taste exactly the same as the food stuff. | It must be cheaper compared to the food stuff. | It must be a naturally-occurring substance. |
| Answer Options | | | | | | | | | | | | | | | | | |
| Option A | Option B | Option C | Option D | | | | | | | | | | | | | | |
| It must look exactly the same as the food stuff. | It must taste exactly the same as the food stuff. | It must be cheaper compared to the food stuff. | It must be a naturally-occurring substance. | | | | | | | | | | | | | | |
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| 15. | 1_3 Science 7320 | Separation of substances | Vegetable oil (which is golden coloured) floats on water. Spirit (which is colourless) floats on vegetable oil. Ramu took some water and coloured it blue by adding a few drops of ink. He then added some vegetable oil followed by spirit very carefully so that the three layers stayed separate. What | | D | | | | | | | | | | | | |

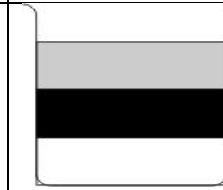
will Ramu's container look like?

Answer Options

Option A

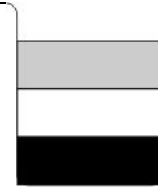


Option B



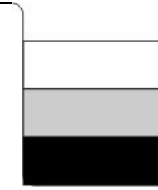
B.

Option C



C.

Option D



D.