

# TERM 3 ONLINE EXAMINATION

## SCIENCE

Time: 1 HOUR

|       |  |
|-------|--|
| NAME  |  |
| CLASS |  |
| DATE  |  |

### INSTRUCTIONS TO CANDIDATES:

1. Write your name, class and date in the boxes above.
2. Do not open this booklet until you are told to do so.
3. Answer **ALL** questions in SECTION A and SECTION B.
4. Write your answer, in blue or black ink, in the boxes (Section A) or spaces (Section B) provided on the question paper.
5. Read each question carefully

### INFORMATION TO CANDIDATES:

1. The number of marks is given in brackets [ ] at the end of the each question or part question.
2. The total number of marks for this paper is 40.

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### FOR THE USE OF MARKERS ONLY

| SECTION     | MARKS |
|-------------|-------|
| A           |       |
| B           |       |
| TOTAL MARKS |       |

## SECTION A

Answer ALL questions in this section.

Each question or statement is followed by four suggested answers or completions. Choose the **BEST ANSWER** or **COMPLETION** and write the letter in the answer box.

1. A bottle containing kerosene shown in Figure 1 is labelled with a hazard symbol.  
What does this symbol represent?



Figure 1

- A. Biohazard
- B. Explosive
- C. Flammable
- D. Radioactive

2. Which of the following is the most appropriate step to take following an accident in the laboratory?

- A. Report to the teacher immediately
- B. Run to your friends and ask for help
- C. Run out of the laboratory
- D. Sit silently and pretend nothing happened

3. Which of the following consists of invertebrates only?

|   |                                                                                                |                                                                                                 |                                                                                               |
|---|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| A | <br>Ant       | <br>Spider     | <br>Crab    |
| B | <br>Centipede | <br>Earthworm  | <br>Snake   |
| C | <br>Chameleon | <br>Scorpion   | <br>Termite |
| D | <br>Octopus | <br>Platypus | <br>Slug  |



4. The beakers in Figure 2 contain three different liquids.

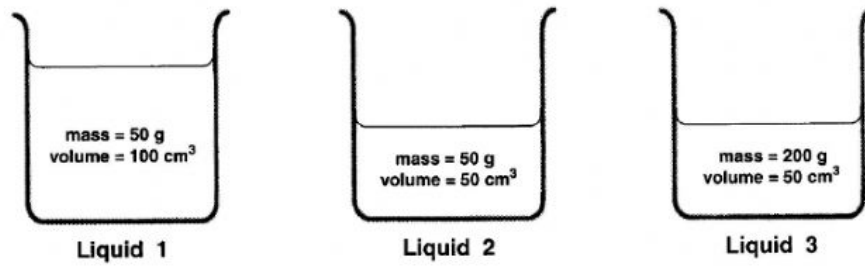


Figure 2

Which statement about the densities of the liquids is correct?

- A. Liquid 1 is denser than Liquid 2
- B. Liquid 2 is denser than Liquid 3
- C. Liquid 3 is denser than Liquid 1
- D. Liquid 2 and 3 have the same density



5. Murni and her friends carried out an experiment on food test. They placed an unknown food substance on a tile and added a few drops of iodine solution shown in Figure 3.

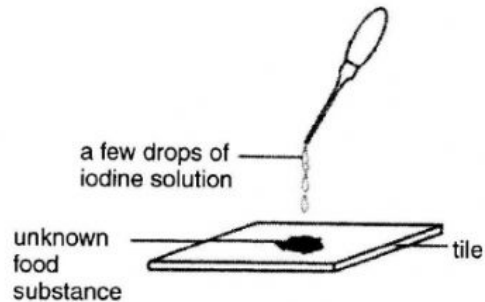


Figure 3

After that, they wrote down what they have observed in the experiment in Table 1.

|        |                                      |
|--------|--------------------------------------|
| Murni  | The unknown food becomes wet         |
| Nazmi  | The yellow solution turns blue black |
| Aliyah | A reaction occurs in the test tube   |
| Amirah | The unknown food looks darker        |

Table 1

Who wrote the best observation?

- A. Aliyah
- B. Amirah
- C. Nazmi
- D. Murni



6. A few drops of food colouring was placed at the bottom of a glass mug containing water.

Which diagram shows the appearance of the glass mug after a day?


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7. What do the chemical symbols in the Periodic Table represent?

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | H  |    |    |    |    |    |    |    |    |    |    | He |    |    |    |    |
| Li | Be |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B  | C  | N  | O  | F  | Ne |    |    |    |    |    |    |    |    |
| Na | Mg |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Al | Si | P  | S  | Cl | Ar |    |    |    |    |    |    |    |    |
| K  | Ca | Sc | Ti | V  | Cr | Mn | Fe | Co | Ni | Cu | Zn | Ga | Ge | As | Se | Br | Kr |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Rb | Sr | Y  | Zr | Nb | Mo | Tc | Ru | Rh | Pd | Ag | Cd | In | Sn | Sb | Te | I  | Xe |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Cs | Ba | La | Hf | Ta | W  | Re | Os | Ir | Pt | Au | Hg | Tl | Pb | Bi | Po | At | Rn |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Fr | Ra | Ac |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Ce | Pr | Nd | Pm | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Th | Pa | U  | Np | Pu | Am | Cm | Bk | Cf | Es | Fm | Md | No | Lr |

- A. Compounds  
B. Elements  
C. Metals only  
D. Non metals only

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8. Ahmad Hafizin carried out an investigation to find out whether substances **M**, **N**, **P** and **Q** are element, compound or mixture?

She recorded the following observations:

- Substances **M** and **P** cannot be broken down into anything simpler.
- Substances **N** consists of substances **M** and **Q** but is not chemically combined together.
- Substances **Q** break down into substances **M** and **P** using chemical methods.

Deduce which of the substances is a compound.

- A. M  
B. N  
C. P  
D. Q

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9. Figure 4 shows the three states of water represented by diagrams X, Y and Z.  
Which changes occur during condensation?

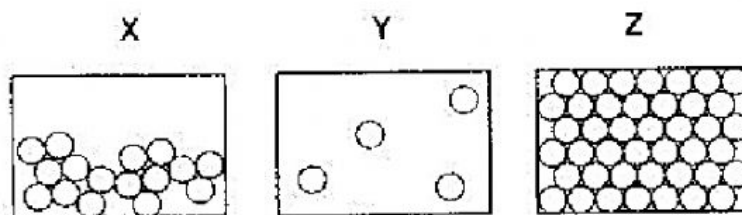


Figure 4

- A. X to Y  
B. X to Z  
C. Y to X  
D. Z to X

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10. Which of the following is the solute in carbonated (fizzy) drinks?

- A. Carbon dioxide  
B. Oxygen  
C. Hydrogen  
D. Nitrogen

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