

ALWADI INTERNATIONAL SCHOOL, JEDDAH**Middle School**

AY 2026 -2027

GRADE: 7 _____**REVIEW SHEET****NAME:** _____**DATE:** / / 26

Question 1: For multiple-choice questions 1-10 (pp. 2-3), choose the correct answers and mark your answers on the answer sheet given below. **[...../10]**

MULTIPLE CHOICE - ANSWER SHEET**INSTRUCTIONS****Read the instructions carefully.**

- Answer all questions.
- Use a soft pencil.
- For each question there are four possible answers A, B, C and D. Choose the one you consider correct and record your choice in soft **pencil** on the multiple-choice answer sheet.
- Make sure you put your answer in line with the correct question number.
- Rub out any answer you wish to change.
- Each correct answer will score one mark.

SAMPLE

QNO	A	B	C	D

1	A	B	C	D

2	A	B	C	D

3	A	B	C	D

4	A	B	C	D

5	A	B	C	D

6	A	B	C	D

7	A	B	C	D

8	A	B	C	D

9	A	B	C	D

10	A	B	C	D

1. What is the movement of particles in a liquid?
 - A. Vibrating in fixed positions
 - B. Moving randomly in all directions
 - C. Sliding past one another
 - D. Fixed and stationary
2. The process of a gas turning into a liquid is called:
 - A. Freezing
 - B. Melting
 - C. Evaporation
 - D. Condensation
3. When cooking gas burns in oxygen, carbon dioxide and water are formed. Which substance is a reactant?
 - A. water
 - B. oxygen
 - C. heat
 - D. carbon dioxide
4. Which of the following is **not** evidence of a chemical reaction?
 - A. Formation of liquid droplets above the solution.
 - B. The colour of the solution changes from clear to yellow.
 - C. Formation of smoke when a candle burns.
 - D. Formation of a solid at the bottom of a flask
5. A characteristic of matter that can be observed without changing its chemical identity is called:
 - A. Chemical property
 - B. Physical property
 - C. Thermal property
 - D. None of the above

6. The arrangement of particles in a solid is:

- A. Random
- B. Regular
- C. Free flowing
- D. Not touching

7. Gases can be compressed easily because:

- A. Particles are far apart
- B. Particles are very close
- C. Gases are heavier
- D. Gases are dense

8. What happens to particles when heat is applied to a solid?

- A. They stop moving
- B. They lose energy
- C. They vibrate faster
- D. They become fixed

9. What is an element?

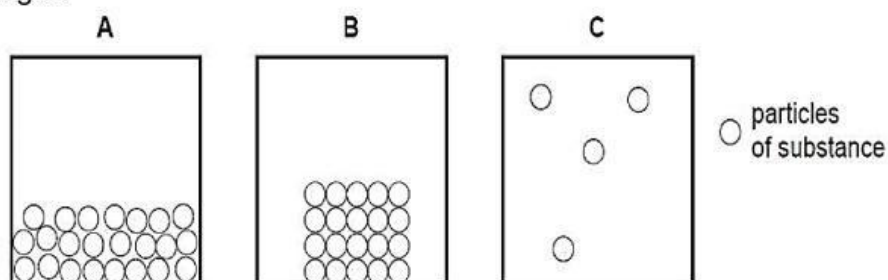
- A. A combination of different types of atoms
- B. A substance made up of only one type of atom
- C. A mixture of metals and non-metals
- D. A type of molecule

10. What is the relative charge of a neutron?

- A. +1
- B. -1
- C. 0
- D. +2

Question 2:**[...../3]**

The boxes A, B and C show particles of substances in one of three different physical states: solid, liquid and gas.



a) Write the letter of the box which:

i) Contains a liquid.

.....

ii) Contains particles vibrating in fixed positions.

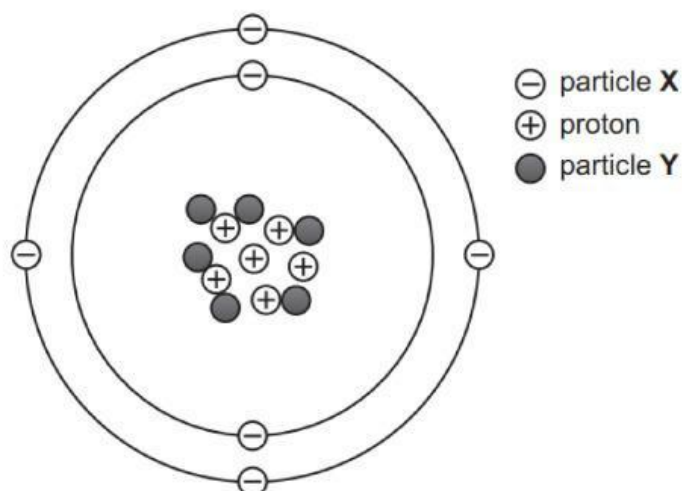
.....

iii) Contains particles that can be easily compressed.

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Question 3:**[...../2]**

Look at the model of a carbon atom.



(a) Write down the name of:

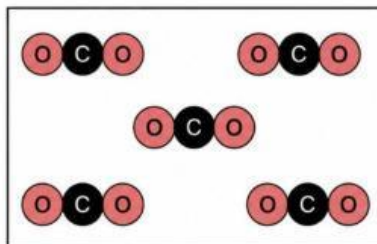
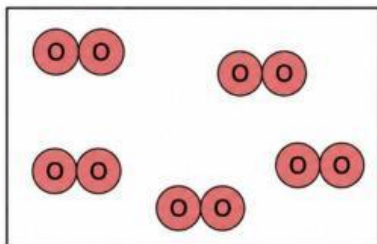
particle X

particle Y

[2]

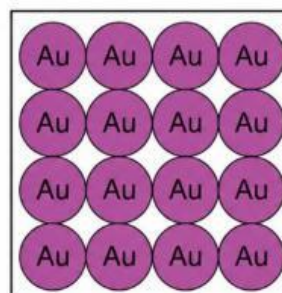
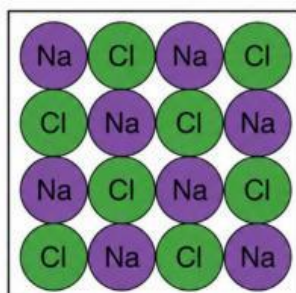
Question 4:

[...../4]

Label each box with the correct keyword: **element**, **compound**.

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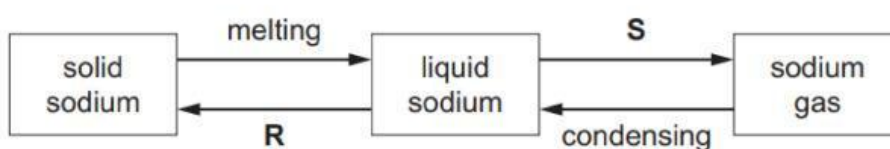
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Question 5:

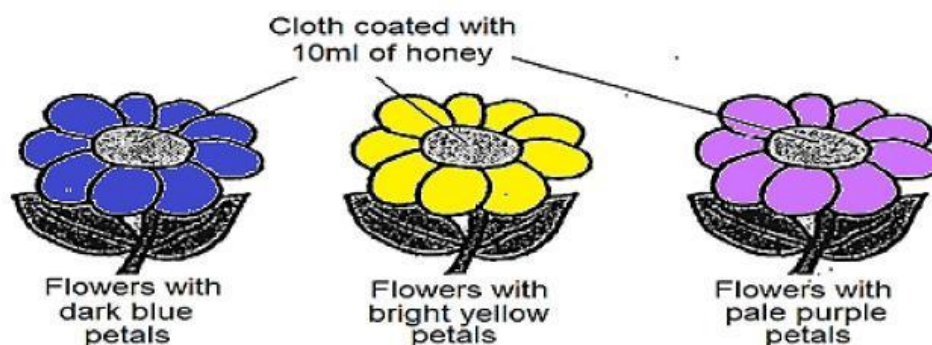
[...../2]

Some changes of state of sodium are shown.

Give the names of the changes of state represented by **R** and **S**.**R****S** [2]

Question 6:**[...../7]**

Rama wanted to investigate the effect the colour of the flowers had on the number of bees visiting them. She made flowers of the same size using a similar type of paper of different colours. In the middle of the flower, she attached a ball of cloth coated with 10ml of honey.



Rama placed the three flowers in a garden and counted the number of bees that landed on each flower over 3 hours.

(a) What is the **aim** of Rama's investigation?

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(b) State **two** factors that Rama must keep the same to make her investigation a **fair test**.

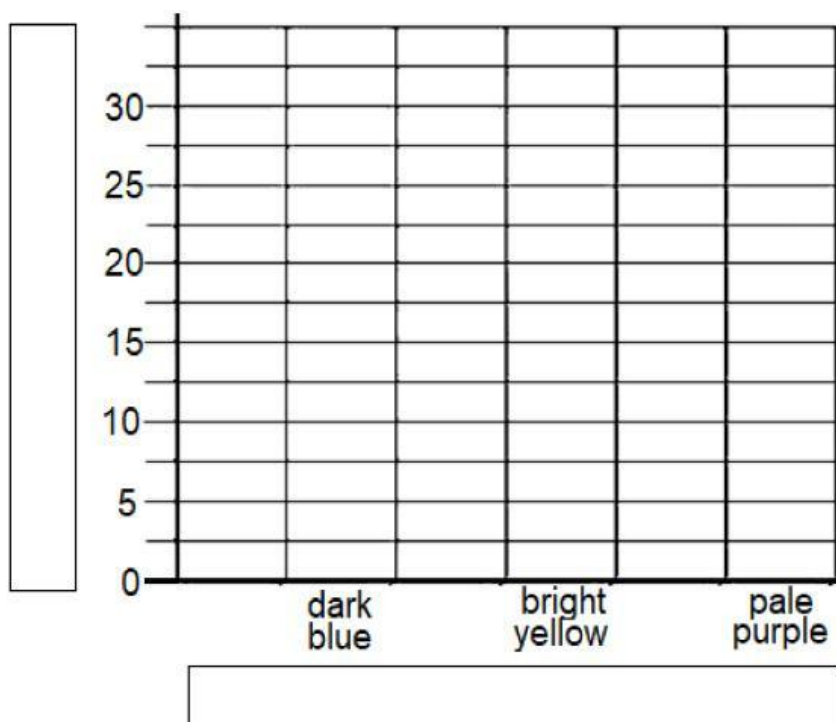
1

2

Rama recorded her observations in the table below.

Colour of flower	Number of bees landed on the flowers			Total number of bees visited
	First hour	Second hour	Third hour	
Dark blue	2	4	4	10
Bright yellow	8	12	10	30
Pale purple	5	6	4	15

- (c) Complete the **bar graph** below. Add the **label** for each axis. Write the label inside the box.



- (d) What could Rama **conclude** from the results of her investigation?

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