وزارة التربية والتعليم
MINISTRY OF EDUCATION

Al Aasimah School C2 Boys
SCIENCE DEPARTMENT
Grade 5

نهاية اختبار نهاية الفصل الأول التجريبي 2025 / 2026

End of Term 1 Mock Exam 2025/2026

Student Number	
Student Name	
School	
Class	
Stream	General
Subject	Science
	Inspire

PARTS	Total	Marks
1. Multiple Choice	60	
2. Writing	40	
TOTAL	100	

ركِّز على امتحان العلوم وابذل أقصى ما لديك.

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PART 1—MULTIPLE CHOICES

Question	1		
How does matter change from one state to another?			
A	removing energy	C	Both A and B are correct
B	adding energy	D	adding mass

Question	2		
Liquid has _____.			
A	Definite volume	C	No definite volume
B	Definite shape	D	All are correct

Question	3		
Which of the following statements is correct?			
A	Something needs to be solid to be matter.	C	Matter can be a solid, liquid or gas.
B	Matter can be a solid or a liquid.	D	Matter can be a solid, liquid or gas but does not include living things.

Question	4		
Why is an inflated balloon having more volume than a bag of marbles?			
A	Because it has more space	C	Because it has mass.
B	Because it contains more particles.	D	All are correct.

Question	5		
Which comparison between gases and solids is correct?			
A	Gas particles cannot move while solids can.	C	Gas particles are farther apart than solid particles.
B	Gas particles are closer together than solid particles.	D	Gas particles have a fixed shape while solids do not.

Question	6		
Which best explains why gases can be compressed more easily than solids and liquids?			
A	Gas particles are very far apart with lots of empty space.	C	Gas particles cannot move at all.
B	Gas particles are tightly packed together.	D	Gas particles are heavier than solids.

Question	7		
Which of the following is NOT a chemical change?			
A		C	
B		D	

Question	8		
You combine 500 g of one material and 200 g of another in a closed container. A chemical change occurred. After the chemical change, the total mass recorded was 700 g. What law explains this?			
A	Law of Conservation of Mass	C	Law of Gravity
B	Law of Energy	D	Law of Nature

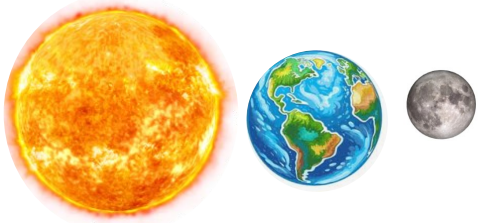
Question	9		
A spoonful of salt has a mass of 10 grams. A cup of water has a mass of 300 grams. What is the total mass of the saltwater when the salt is dissolved in the water?			
A	300 grams	C	More than 300 grams
B	Less than 300 grams	D	All are correct

Question	10		
Which mixture is most likely a solution?			
A	Cranberry juice	C	Potting soil
B	Muddy water	D	Milk

Question	11		
Which of the following physical properties can help identify copper?			
A	Color	C	Conductivity
B	Reflectivity	D	All are correct

Question	12		
Other than the change in color, which of the following can tell that a chemical change happened?			
A	Temperature change	C	Formation of solid
B	Formation of gas	D	All are correct

Question	13		
Why does sugar dissolve faster in warm water?			
A	Warm water is sweet.	C	Warm water changes sugar's color.
B	Cold water makes sugar bigger.	D	Warm water moves faster and breaks sugar faster.

Question	14		
Look at the diagram of the Sun, the Earth and the Moon What would a night time observer on Earth see? 			
A	No moon	C	A crescent moon
B	A quarter moon	D	A full moon

Question	15		

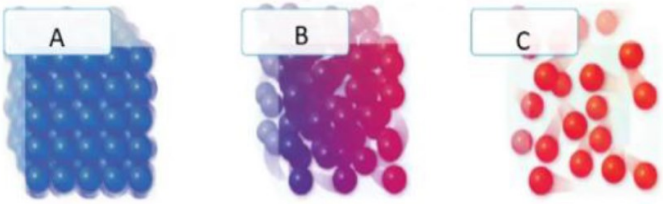
Planet	Length of Day (hours)	Length of Year (Earth years)	Distance from the Sun (AU)
Mercury	1,408	0.2	0.4
Venus	5,832	0.6	0.7
Earth	24	1.0	1.0
Mars	25	1.9	1.5
Jupiter	10	11.9	5.2
Saturn	10	29.4	9.5
Uranus	17	84.0	19.2
Neptune	16	164.8	30.0

Based on the data, what conclusion can you draw?

A	The farther a planet is from the Sun, the longer its day.	C	A day on Earth is longer than a day on Venus.
B	Uranus is the coldest planet.	D	The farther a planet is from the Sun, the longer its year.

Question	16		
How does the moon's gravity cause tides on Earth?			
A	It pushes the water away from Earth.	C	It makes the sun hotter.
B	It changes the color of the ocean.	D	It pulls on Earth's water, making high and low tides.

Question	17		
Why is folding a paper a physical change?			
A	The paper changes shape but not its material.	C	No new substance is formed.
B	The paper can be unfolded back to its original form.	D	All answers are correct.

Question	18		
Identify the states of matter represented by each letter. 			
A	A—gas B– liquid C– solid	C	no state of matter is represented
B	A—gas B– solid C– liquid	D	A—solid B– liquid C– gas

Question	19		
What pulls objects toward Earth's surface?			
A	The wind	C	The moon
B	The sun's heat	D	gravity

Question	20		
Why are some stars brighter than others?			
A	All stars are the same brightness.	C	The moon makes some stars shine brighter.
B	Some stars are smaller and farther away.	D	Some stars are bigger and closer to Earth.

PART 2—WRITING

Question	1

Identify the following examples as physical or chemical change.

I. Frying an egg _____
II. Baking a cake _____
III. Melting butter _____
IV. Burning wood _____
V Rotting banana _____
VI. Tearing up paper _____
VII. Nail rusting _____
VIII. Evaporating water _____

Question	2

Write the correct property from the list below.

Conductivity—Reflectivity—Solubility—Magnetism—Corrosion

Example of Property	Type of the Physical Property
The ability of matter to dissolve in a liquid	
The way light reflects	
Describes how energy can move through material	
The material is attracted to a magnet	

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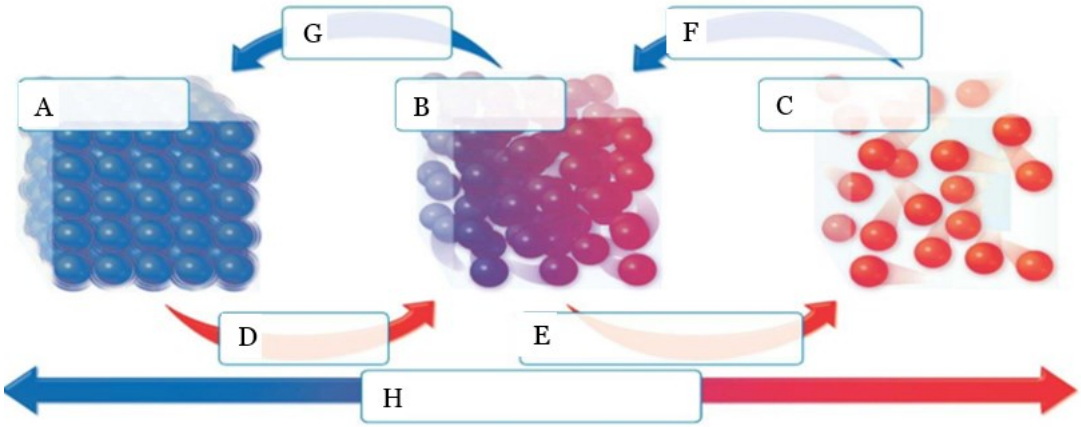
Question	3

Label the parts of the diagram. Use the words on the right.



Solid

Liquid

Gas

Evaporation

Condensation

Melting

Freezing

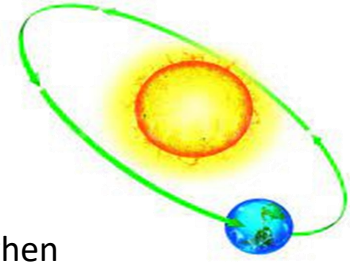
Temperature

Question	4

Write the missing word/s in each blank.

Rotation

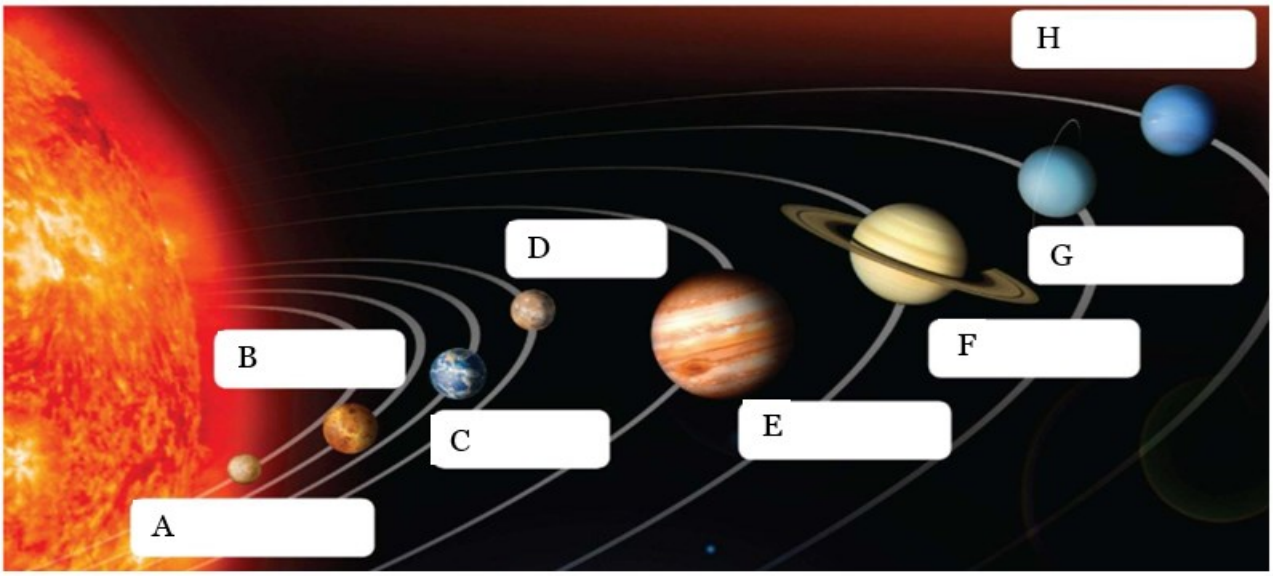
I. The Earth _____ on its axis, which causes _____ and _____.
II. It takes the Earth _____ hours to make one full rotation.
III. The Earth _____ around the Sun, which causes the _____.
IV. Due to Earth's _____ of 23.5 degrees, when the North Hemisphere has summer, the South has _____.



Revolution

Question	5

Label the planets in the solar system.



ANSWER KEY

MCQs

1. C
2. A
3. C
4. A
5. C
6. A
7. C
8. A
9. C
10. A
11. D
12. D
13. D
14. D
15. D
16. D
17. D
18. D
19. D
20. D

Writing Part

1. Changes in Matter

I. Chemical
II. Chemical
III. Physical
IV. Chemical
V. Chemical
VI. Physical
VII. Chemical
VII. Physical

2. Properties

A. solubility
B. reflectivity
C. conductivity
D. magnetism

3. Changing States of Matter

A. solid
B. liquid
C. gas
D. melting
E. evaporation
F. condensation
G. freezing
H. temperature

4. Motion of the Earth

I) rotates, day, night
II) 24
III) revolves, seasons
IV) tilt, winter

5. Planets in the Solar System

A. Mercury
B. Venus
C. Earth
D. Mars
E. Jupiter
F. Saturn
G. Uranus
H. Neptune