

Science

نماذج اختبارات الأضواء

لشهر نوفمبر



المف
4
الابتدائي

2026

1 A) Complete the following sentence:

- The eye sends messages to the through the sensory nerves.

B) Answer the following questions:

- 1 Classify the following materials into "Transparent" and "Opaque".
(Skin- Milk-Water-Window-Glass-Rock)

Transparent material	Opaque material

- 2 What happens when engineers placed jet engines inside a normal truck instead of its normal engine?
-

- 3 Look at the opposite figures, then answer:

If we push them with the same force, what do you think which one of them will cover a longer distance?

.....



2 A) Put (✓) or (X) in front of the following sentence:

- The moon is a source of light. ()

B) Mention the importance or function of each of the following:

- 1 Friction
-

- 2 Night vision goggles
-

3 A) Choose the correct answer:

- Parachutes are used in the shockwave truck to
 - a) increase its speed
 - b) decrease its speed
 - c) keep its speed as it is
 - d) change its direction

B) Give a reason for each of the following:

- 1 The shockwave truck is faster than the normal truck.
-

- 2 The fishing cat's eyes seem to glow in the dark.
-

1 A) Cross out the odd word:

- Paper – Wood – Metal – Cloth

B) What is meant by ...?

1 Motion

.....

2 Shadow

.....

3 Gravity

.....

2 A) Correct the underlined word in the following sentence:

- Moving an object away from you represents a pulling force. (.....)

B) Answer the following questions:

- Imagine that a mobile phone fell from your hand to the ground and the screen broke.



1 What would happen to the light rays reflected from it?

.....

2 Draw the path of the incident and reflected light rays from the screen both before and after it breaks.

.....

3 A) Choose the correct answer:

- For a static ball, all of the following equal zero, except the

a) Force b) speed c) mass d) friction

B) Give a reason for:

1 When the number of fire extinguishers is increased, the cart covers a longer distance.

.....

2 The pupils of the nocturnal animals' eyes open wider than humans in dim light.

.....

1 A) Write the scientific term:

- A pattern that has a meaning. (.....)

B) Answer the following questions:

1 Compare between

smooth (shiny) and rough objects in terms of the ability to reflect light.

P.O.C	Smooth (shiny) Objects	Rough Objects
Ability to reflect light		
Example		

2 Which wagon moves faster?

.....



- Your friend wanted to prevent the light from entering his room. Suggest him some materials that he can use on the window to prevent the light from entering the room.

.....

2 A) Put (✓) or (X) in front of the following sentence:

- Unbalanced forces cause a change in the object's motion. ()

B) What happens if ...?

- 1 Light falls on an opaque object.

.....

- 2 You push two similar toy cars with different forces on the ground.

.....

3 A) Complete the following sentence:

- When playing pulling a rope game, if each team pulls the rope with equal force, the forces are

B) Give a reason for each of the following:

- 1 When you throw an apple up, it returns back to the ground.

.....

- 2 Fireflies produce a chemical reaction inside their bodies.

.....

1 A) Choose the correct answer:

- All of the following examples represent the pushing force, except
 - kicking a ball
 - pressing on an electrical switch
 - closing the disk's drawer
 - dragging the hook after catching a fish

B) Give a reason for each of the following:

- 1 When two pulling forces act on an object in opposite directions, the object does not move.
.....
- 2 You can see an object placed behind a glass window.
.....
- 3 When you stop pedaling during the movement of your bicycle, it slows down until it stops.
.....

2 A) Complete the following sentence:

- The different languages are considered as

B) What happens if ... ?

- 1 Light falls on a smooth shiny surface.
.....
- 2 The pulling forces of the two teams are unbalanced in a tug-of-war game.
.....

3 A) Put (✓) or (X) in front of the following sentence:

- We see the objects as a result of the absorption of the light rays on our eyes. ()

B) What is meant by ... ?

- 1 A source of light.
.....
- 2 Work.
.....

Science

إجابات نماذج اختبارات الأضواء

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1 A) Complete the following sentence:

- The eye sends messages to the **brain** through the sensory nerves.

B) Answer the following questions:

- 1 **Classify** the following materials into "Transparent" and "Opaque".
(Skin- Milk-Water-Window-Glass-Rock)

Transparent material	Opaque material
Water – Window – Glass	Skin – Milk – Rock

- 2 **What happens when** engineers placed jet engines inside a normal truck instead of its normal engine?

- It will move faster.

- 3 **Look at the opposite figures, then answer:**

If we push them with the same force, what do you think which one of them will cover a longer distance?



- The bicycle will cover a longer distance than the truck.

2 A) Put (✓) or (X) in front of the following sentence:

- The moon is a source of light.

(X)

B) Mention the importance or function of each of the following:

- 1 Friction
- It always slows down or stops motion of moving objects.
- 2 Night vision goggles
- They are used by humans to see in the dark.

3 A) Choose the correct answer:

- Parachutes are used in the shockwave truck to
 - a) increase its speed
 - b) decrease its speed
 - c) keep its speed as it is
 - d) change its direction

B) Give a reason for each of the following:

- 1 The shockwave truck is faster than the normal truck.
- Because it has three jet engines.
- 2 The fishing cat's eyes seem to glow in the dark.
- Because it has a mirror-like membrane at the back of its eyes that reflects the light rays that fall on it.

1 A) Choose the correct answer:

- When light strikes , it does not allow light to pass through it.
 - a) a piece of carton
 - b) water
 - c) air
 - d) glass

B) Give a reason for each of the following:

- 1 A torch is considered a source of light.
 - Because it emits its own light.
- 2 When you kick a ball, it moves.
 - Due to the pushing force of your leg on it.
- 3 Unlike humans, nocturnal animals can see better in dim light.
 - Because nocturnal animals have bigger eyes and their eye pupils open wider than humans in dim light.

2 A) Write the scientific term:

- It is the bouncing of light when it falls on a reflecting surface. (Light reflection)

B) What happens if ...?

- 1 You place a wood sheet between a source of light and a wall.
 - A shadow will be formed.
- 2 A shockwave driver opens parachutes.
 - Its speed will slow down gradually until it stops.

3 A) Complete the following sentence:

- We can say that an object is in motion state when its **position** changes.

B) Define:

- 1 Force
 - It is a push or pull that is applied to an object to move it.
- 2 Shiny object
 - It is the object that reflects most of the light rays falling on it.

1 A) Cross out the odd word:

- Paper – Wood – **Metal** – Cloth

B) What is meant by ...?

1 Motion

- It is the change of the position of an object relative to a fixed point.

2 Shadow

- It is a dark area that is formed when light falls on an opaque object.

3 Gravity

- It is the force that pulls objects towards the Earth's center.

2 A) Correct the underlined word in the following sentence:

- Moving an object away from you represents a pulling force.

(pushing)

B) Answer the following questions:

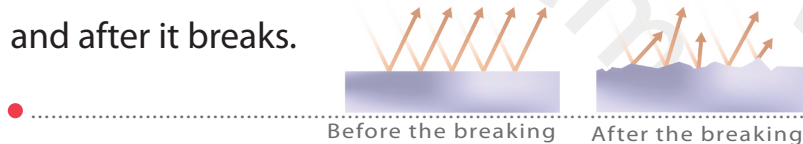
- Imagine that a mobile phone fell from your hand to the ground and the screen broke.



1 What would happen to the light rays reflected from it?

- Light rays are diffused in different directions.

2 Draw the path of the incident and reflected light rays from the screen both before and after it breaks.



3 A) Choose the correct answer:

- For a static ball, all of the following equal zero, except the

- a) Force b) speed c) mass d) friction

B) Give a reason for:

1 When the number of fire extinguishers is increased, the cart covers a longer distance.

- Because by increasing the number of fire extinguishers, the speed of the cart increases.

2 The pupils of the nocturnal animals' eyes open wider than humans in dim light.

- To allow more lights to enter their eyes, so they can see well in dim light.

1 A) Write the scientific term:

- A pattern that has a meaning.

(Code)

B) Answer the following questions:

1 Compare between

smooth (shiny) and rough objects in terms of the ability to reflect light.

P.O.C	Smooth (shiny) Objects	Rough Objects
Ability to reflect light	They reflect most of light rays.	They reflect less amount of light rays.
Example	Mirrors and metals	Wood

2 Which wagon moves faster?

- (1)



(2)



(1)

- 3 Your friend wanted to prevent the light from entering his room. Suggest him some materials that he can use on the window to prevent the light from entering the room.

- Carton or aluminum foil.

2 A) Put (✓) or (X) in front of the following sentence:

- Unbalanced forces cause a change in the object's motion.

(✓)

B) What happens if ...?

- 1 Light falls on an opaque object.

- Light will not pass through it and a shadow will be formed.

- 2 You push two similar toy cars with different forces on the ground.

- The car that is affected with the greater force will move for a longer distance.

3 A) Complete the following sentence:

- When playing pulling a rope game, if each team pulls the rope with equal force, the forces are **balanced**.

B) Give a reason for each of the following:

- 1 When you throw an apple up, it returns back to the ground.

- Due to the gravity of the Earth that pulls the apple down towards the Earth's center.

- 2 Fireflies produce a chemical reaction inside their bodies.

- To light up their bodies and communicate with each other.

1 A) Choose the correct answer:

- All of the following examples represent the pushing force, except
 - a) kicking a ball
 - b) pressing on an electrical switch
 - c) closing the disk's drawer
 - d) dragging the hook after catching a fish

B) Give a reason for each of the following:

- 1 When two pulling forces act on an object in opposite directions, the object does not move.
 - Because the two forces are balanced.
- 2 You can see an object placed behind a glass window.
 - Because glass is a transparent material that allows light to pass through.
- 3 When you stop pedaling during the movement of your bicycle, it slows down until it stops.
 - Due to the friction force between the tires of the bicycle and the road.

2 A) Complete the following sentence:

- The different languages are considered as **codes**.

B) What happens if ... ?

- 1 Light falls on a smooth shiny surface.
 - Light rays are reflected in one direction with the same angle.
- 2 The pulling forces of the two teams are unbalanced in a tug-of-war game.
 - The rope will move towards the greater force.

3 A) Put (✓) or (X) in front of the following sentence:

- We see the objects as a result of the absorption of the light rays on our eyes. (X)

B) What is meant by ... ?

- 1 A source of light.
 - It is an object that gives off its own light.
- 2 Work.
 - It is the energy needed to move an object by applying a force on it.

تطبيق



مذكرات جاهزة للطباعة

لتحميل الملفات التعليمية مجاناً للمعلم والطالب

مذكرات وملازم / مراجعات وملخصات / امتحانات / كتب الوزارة /
أدلة المعلم / دفاتر التحضير / سجلات مدرسية / أوراق تأسيس

امسح الكود بموبايلك علشان تقدر تثبت التطبيق

وتقدر ف أي وقت تحمّل ال نفسك فيه ببلاش

هيغنيك عن البحث والجروبات والقنوات الكثيرة



تطبيق الموبايل لتحميل الملفات