



# برعاية معالى وزير التربية والتعليم السيد الاستاذ / عجد عبد اللطيف

وتوجيهات مساعد الوزير لشئون تطوير المناهج التعليمية و المشرف على الادارة المركزية لتطوير المناهج

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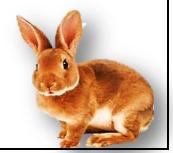
تجاه الاحداد والمراجعة خبراء مكتب تنمية مادة العلوم اشراف علمي مستشار العلوم

مستشار العلوم المناها

إدارة تثمية مادة الطوم

2024 - 2025









#### **Year (4)**

#### Weekly test sheet week (14)

Unit (2): Motion

### 2:3- Energy and collisions

**Test (1)** 

#### Answer the following questions:

1-	Complet	e the	following	sentence	:
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The risk of collision increases by increasing in ...... and.....

#### 2- Write the scientific term:

1- Two things bump or crash each other.

## 3- Give reasons:

In a Newton's cradle, energy loss occurs in the form of thermal energy.

## 4- What happens when:

Two cars moving in the same direction collide.

الإنارة المعو - Mention the relation between energy before collision and energy after collision.











#### **Year (4)**

### Weekly test sheet week (14)

Unit (2): Motion

2:3- Energy and collisions

**Test (2)** 

	Answer	the	follo	wing	q	uestions	:
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1- Complete	the	following	sentence:
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More..... and..... of the body increased the risk of collision.

#### 2- Write the scientific term:

Audible energy produced during a collision.

## 3- Give reasons:

Energy loss occurs when Newton's cradle balls collide.

# 4- What happens when:

Two cars moving in the opposite direction collide.

5- Mention the relation between the speed of the body and its kinetic energy

2024 - 2025









#### **Year (4)**

# Weekly test sheet week (14)

Unit (2): Motion

2:3- Energy and collisions

<u>Test (3)</u>

#### **Answer the following questions:**

#### 1- Complete the following sentence:

Newton's cradle loses energy in the form of ...... and ............energy

#### 2- Write the scientific term:

Energy stored by Newton's cradle when lifting a ball upwards.

#### 3- Give reasons:

The collision increases with increasing mass.

# 4- What happens when:

Increase the speed of the body in relation to its kinetic energy.

Mention the relation between the speed of the body and the force of the collision.



