



Attendance

Unit 1:

Investigate matter

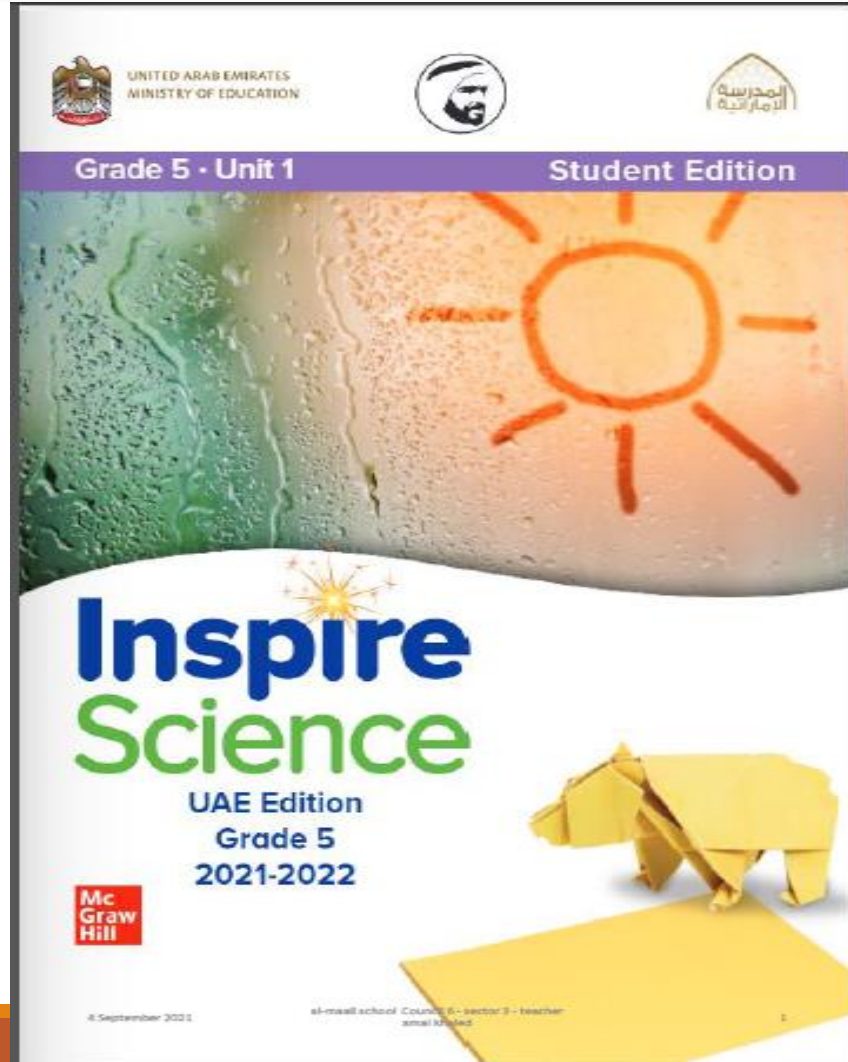
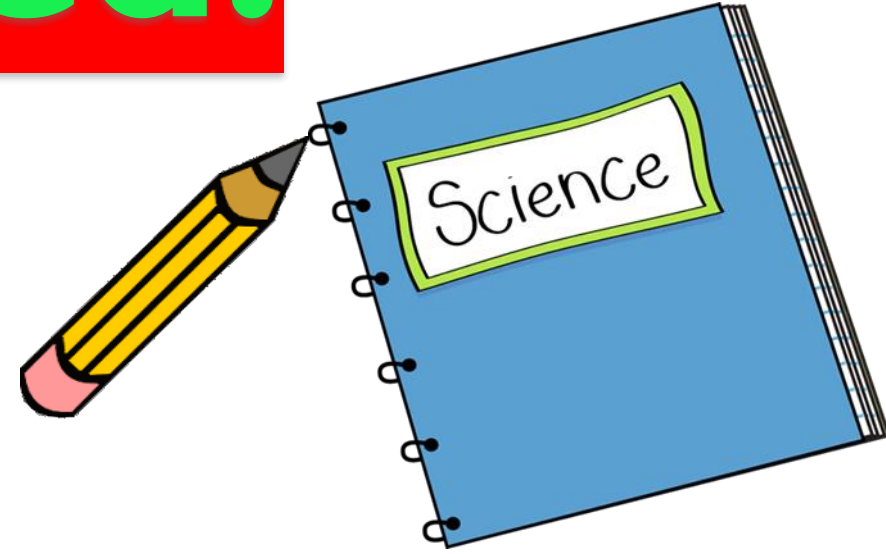
Lesson 3

Physical and chemical changes



Al Diwan
<https://elib.moe.gov.ae/App>

You will need:





Starter

Outcomes

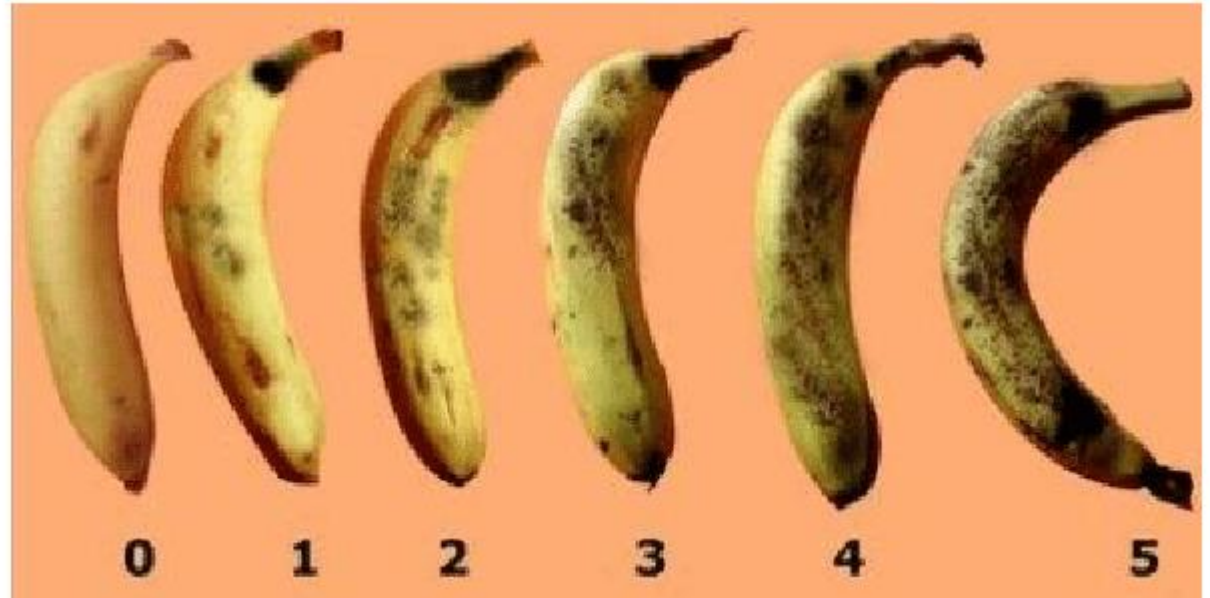
Vocabulary

Explanation

Exist card

4c: Critical thinking communication

starter :



Think



Pair



Share



Our learning Outcomes

WALT

**We are
learning to**

This tells you what
skills you are
going to learn.



Identify physical and
chemical changes

Vocabulary



Starter

Outcomes

Vocabulary



Explanation

Exist card

1-physical change

2- chemical change

3-conservation of mass

thinking Q :

describe the changes in the picture



Chemical Changes



Iron Rusting



Burning Wood



Metabolism



Cooking an Egg



Baking a Cake



Electroplating



Rusting Bananas



Vinegar and Baking Soda Mixture



Fireworks



Chemical Battery

ThoughtCo.

What is chemical change ?

A CHANGE IN THE COMPOSITION OF A SUBSTANCE THAT LEADS TO THE FORMATION OF NEW SUBSTANCES

Chemical Changes



Iron Rusting



Burning Wood



Metabolism



Cooking an Egg



Baking a Cake



Electroplating



Rotting Banana



Vinegar and Baking Soda Mixture



Fireworks



Chemical Battery

What is physical change ??



a change in one or more
physical properties of matter



Breaking
Glass



Mixing
Candies



Shredding
Paper



Folding
Paper



Melting
Ice



Chopping
Wood



Cutting
Hair



Dry Ice
Sublimation



Boiling
Water



Breaking
Egg

Physical changes are changes in size, shape, form or state, but the type of matter never changes...

Which picture shows which physical change?

size



dissolving



shape



SOLID



LIQUID



GAS

state

Q 1: folding paper ?

How can we make it chemical change?



Physical change

Q2 : shaping the clay ?



Physical change

Q3 : cooking egg?

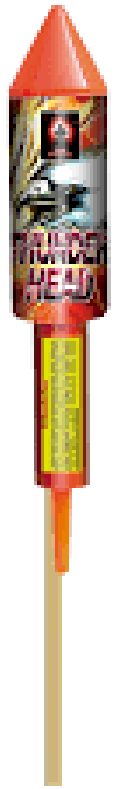


Chemical change

Q4 :cutting wood?



Physical change



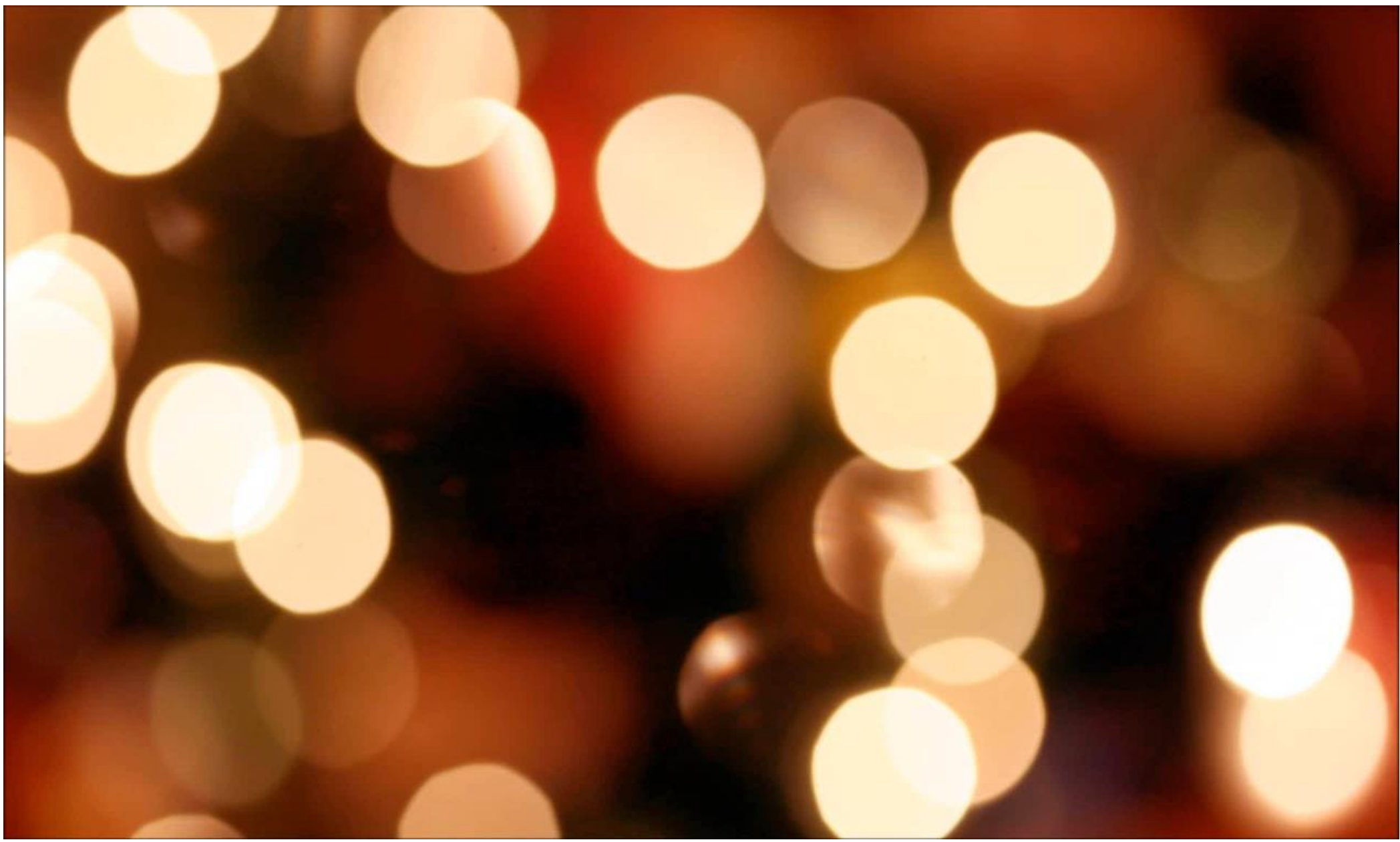
What changes happen when fireworks explode?

What type of energy is used in fireworks?

thinking Q :

describe the changes in the picture









Physical and Chemical Change

When a candle burns we see both physical and chemical change.



PHYSICAL CHANGE
WAX MELTING



CHEMICAL CHANGE
WAX BURNS

Five signs of a chemical change:



1- color change



2- new smell



3- change in temperature



4- new gas and formation of bubbles



5- formation of a solid

ASSESSMENT YOUR SELF :



EXIT TICKET



THANK

YOU

Science Routine: vocab review

Join **Quizziz**