

First Grade

Lab

KIDZ

First Grade



6. A blue sky

Topic: Color of the sky

Objective: Answer the question "Why is the sky blue?"

Vocabulary: Flashlight, transparent, dark, light, bluish, turbid

Material:

- White soap bar
- A transparent glass cup
- Water
- A white light flashlight (you can use a cell phone's flashlight)

Development:

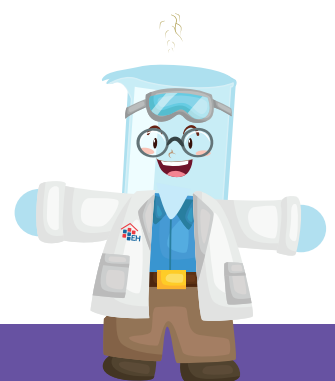
1. Dissolve a little piece of white soap in a clear glass cup completely filled with water.
3. Put it in a dark room with the white light flashlight pointing to the glass..



2. Mix until you get a turbid solution.



4. Notice that the liquid gets a bluish color.



Tell us...

Read and answer. Put a tick ✓ for yes and a cross ✗ for no.

1. You turned off the classroom light.

☐

2. You used oil in the experiment.

☐

3. The experiment was successful.

☐

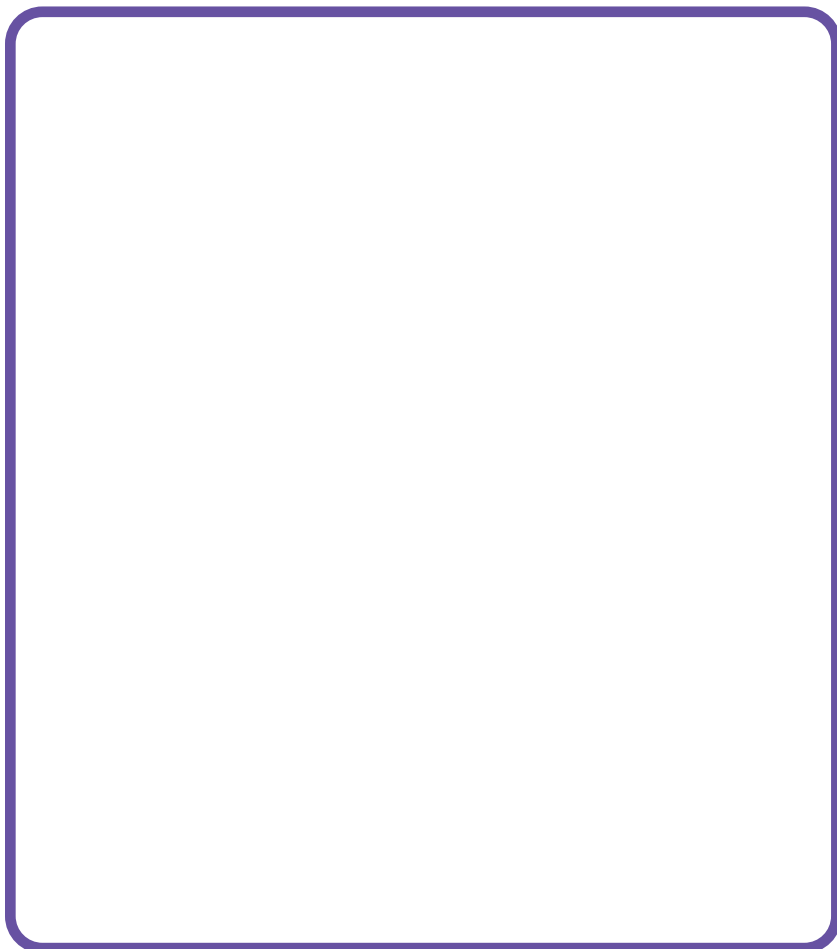
4. The sky is blue.

☐

5. You saw the purple color.

☐

Stick a picture of your process or result!



Did you like it?



7.Oranges

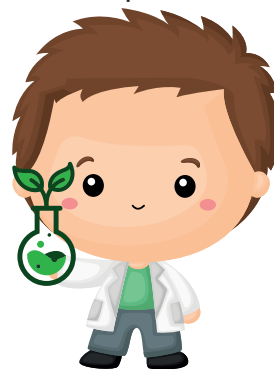
Topic: Acids

Objective: Observe the acidity of the fruit through balloon experiments.

Vocabulary: Observe the acidity of the fruit through balloon experiments.

Material:

- 1 orange peel
- Small balloons (preferably water ones)

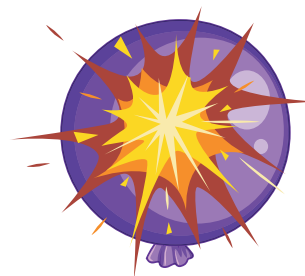


Development:

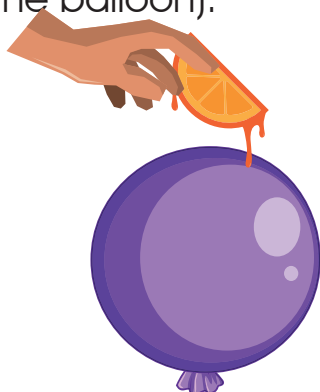
1.Blow up the balloons as much as possible.



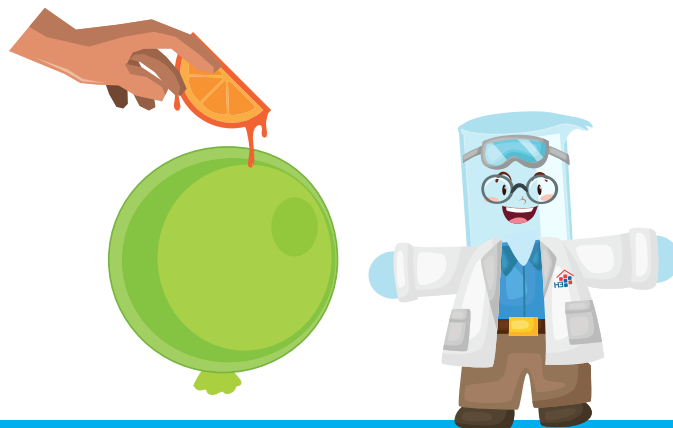
3.If the orange was well squeezed, the balloon will explode in a couple of seconds.



2.Make the orange peel drip on the balloon. (Squeeze the orange peel towards the balloon).



4.In case of failure, try again. Repeat with the necessary balloons.



Tell us...

Look at the pictures and unscramble the letters to write the correct word.

1. _ _ _ _ _ _ _ _ _ _ eoagrn
2. _ _ _ _ _ _ _ _ _ _ tealin
3. _ _ _ _ _ _ _ _ _ _ iadc
4. _ _ _ _ _ _ _ _ _ _ eexlpdo
5. _ _ _ _ _ _ _ _ _ _ iurttf
6. _ _ _ _ _ _ _ _ _ _ eepl



Put a picture or a drawing of the result of your experiment.

Which was your favourite part of the experiment?



8.A beautiful moon

Theme: Phases of the moon

Objective: That students learn the phases of the moon experimenting with cookies.

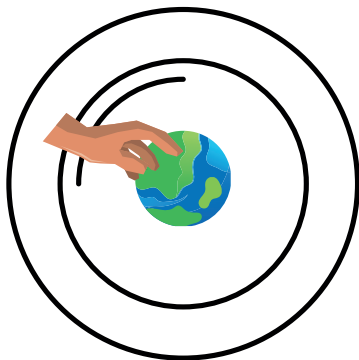
Vocabulary: stage, cardboard, full, waning, last quarter, new moon, waning crescent

Material:

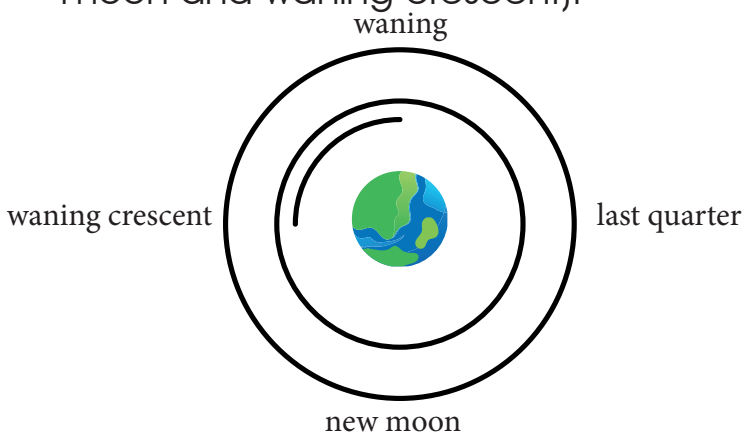
- Oreo cookies
- A cardboard plate
- Colors or markers

Development:

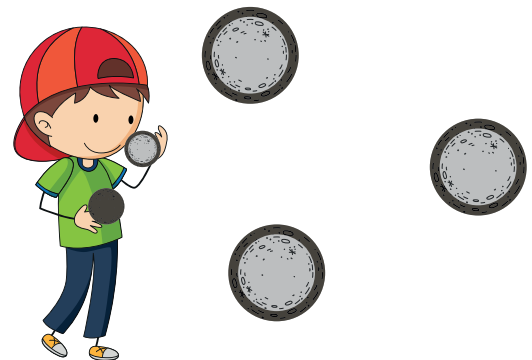
1. On a cardboard plate, draw the Earth or, instead, place a sticker.



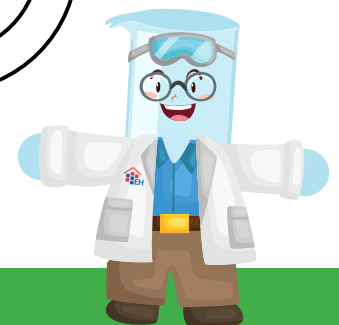
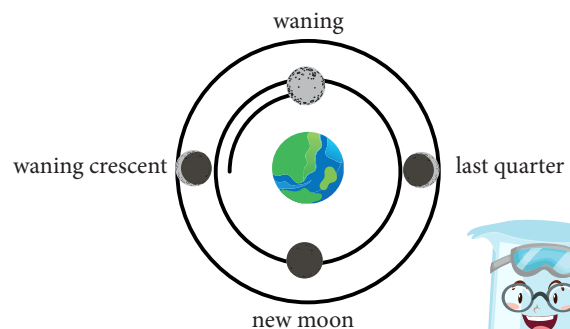
2. Write around the different phases of the moon (full, waning, last quarter, new moon and waning crescent).



3. Open the cookies in half and make each one a phase of the moon.



4. You have to leave the part of cream that corresponds to each of the moon's phases.



Tell us...

Read and answer. Put a tick ✓ for yes and a cross ✗ for no.

1. You worked in teams.

☐

2. You know what the full moon is.

☐

3. You drew the sun.

☐

4. The moon is square.

☐

5. The cookies are pink.

☐

Stick a picture of your process or result!

Did you like it?



9. Blowing up a balloon

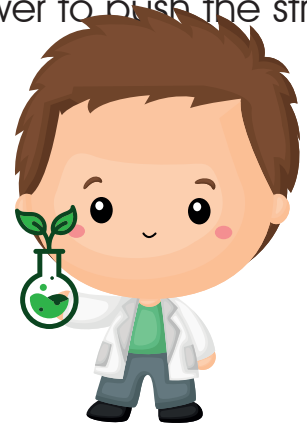
Topic: Speed, pushing strength and air release.

Objective: The student will observe which balloon arrives first and will explain why. The student will notice that the air released has the power to push the straw to the other end.

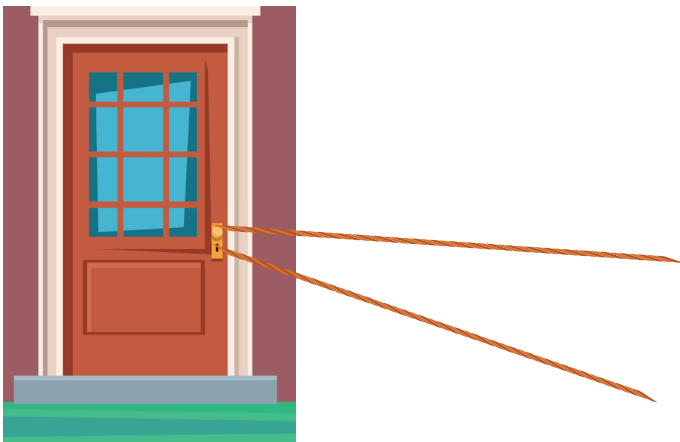
Vocabulary: Straw, towards, distance, tie up, stick (verb)

Material:

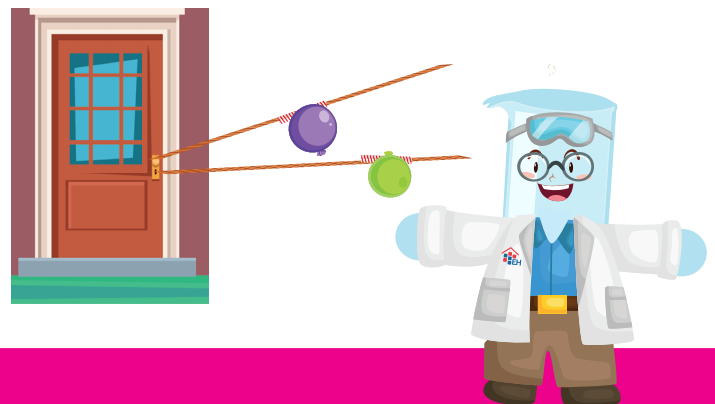
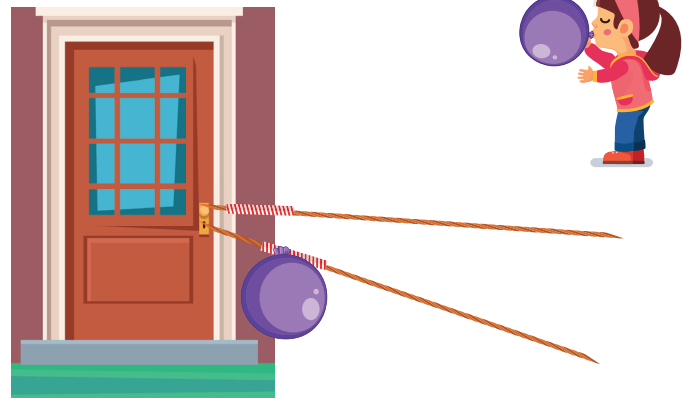
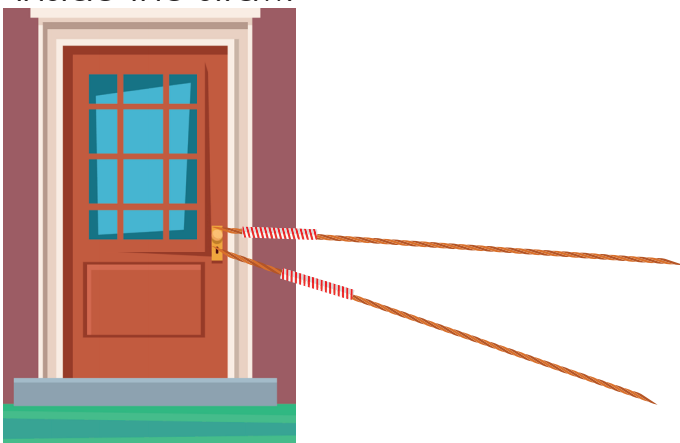
- Straws
- Thread
- tape
- Balloons



1. Attach two separated threads to a door.
3. Blow up the balloon and stick it with tape to the straw with the mouthpiece towards you, but do not tie it.



2. Stand 3 meters away, put the thread inside the straw.
4. Pull the thread without breaking and releasing the balloons so the air can come out.



Tell us...

Look at the pictures and unscramble the letters to write the correct word.

1. _ _ _ _ _ sswrta
2. _ _ _ _ _ dasehtr
3. _ _ _ _ _ doro
4. _ _ _ _ _ loloanb
5. _ _ _ _ _ tafelin
6. _ _ _ _ _ lplu



Put a picture or a drawing of the result of your experiment.

Which was your favourite part of the experiment?



10.Liquid-solid mass

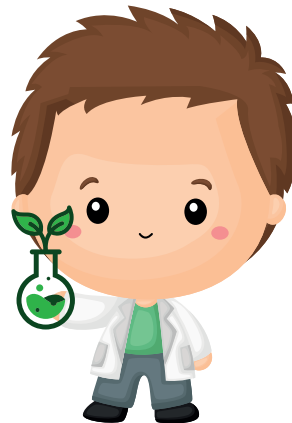
Topic: States of matter

Objective: Make a mass that shows the liquid and solid state of matter.

Vocabulary: mass, liquid, solid, cornflour, smash

Material:

- Cornflour
- Water
- colourants
- Glass container (large)



Development:

1. Place the cornflour in the glass container.



2.Add water to the bowl with the cornflour and mix until you get a thicken mass.



3.Add the colourant and mix again.



4.To experience solid states, strongly smash the mass (this will make it solid).



5.Place the mass in your hand and do not move it to see it in a liquid state.



Tell us...

Read and answer. Put a tick ✓ for yes and a cross ✗ for no.

1. 1. The mass is solid.
2. You used water in the experiment.
3. The mass is colored.
4. You worked individually the experiment.
5. The mass is liquid.

☐
☐
☐
☐
☐

Stick a picture of your process or result!

Did you like it?

