Science

•Grade 1

- 2-5 January Lesson 1



Day 1



See Objects



Class Map

Greeting

Date + Rules

Daily routine
New vocab

Prerssesment & The Warning Up

OUTCOME

Model the lesson + Thinking skills &Solving Problem

Welfare of the students

Differentiated activities

Plenary/lit ticket
Provide feedback

Self reflection

Welcome Back!

- Can you remember what we did last term?



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Model the lesson + Thinking skills &Solving Problem

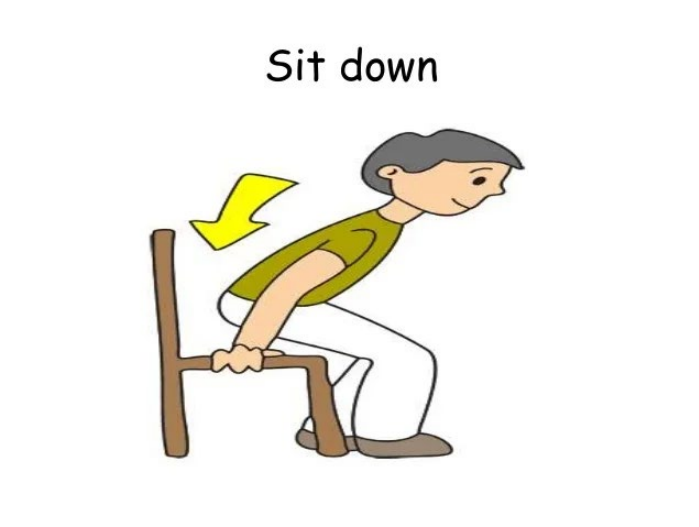
Welfare of the students

Differentiated activities

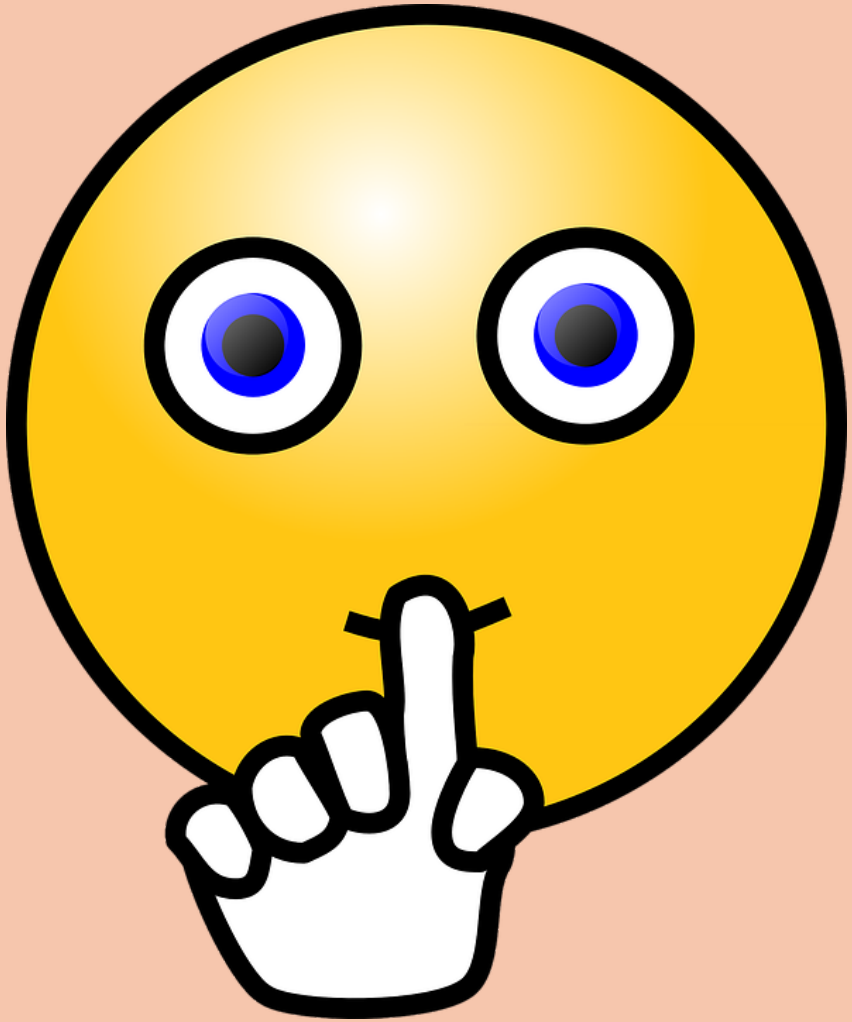
Plenary/lit ticket
Provide feedback

Self reflection

KEEP QUIET









Listen to the teacher

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LIGHT

DARK

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Day 1 – Light and sight

- Students will be able to use their previous knowledge to make observations and construct explanations on what causes objects to be seen when illuminated. Students will be able to identify things that give off light (Light sources).

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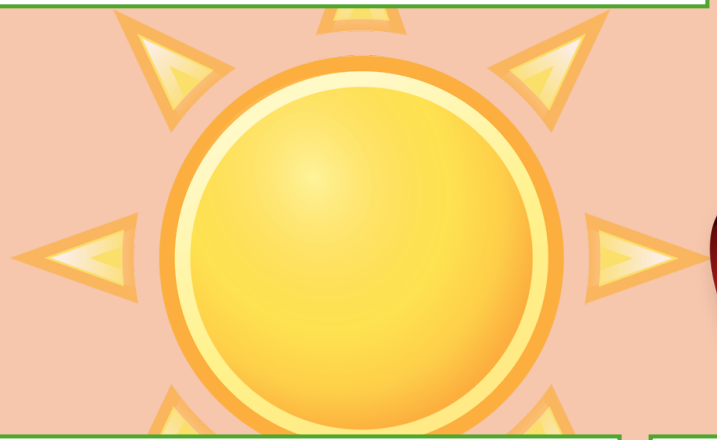
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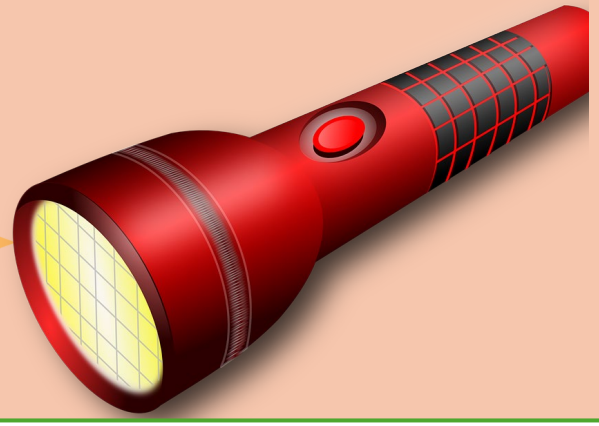
candle



fire

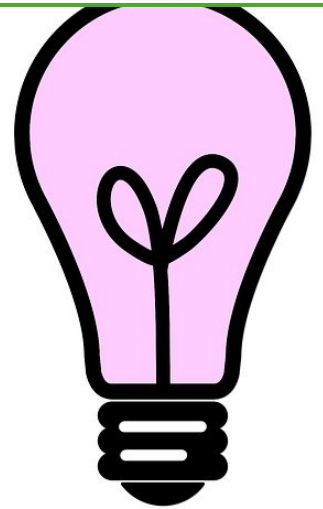


sun



flashlight

lightbulp



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Vocabulary

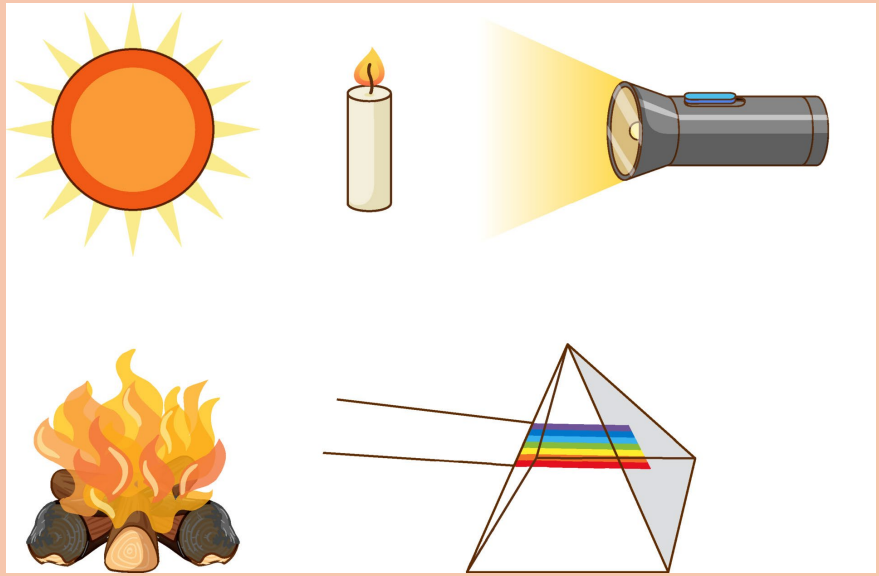


Light

Light is a from of energy that allows you to see.

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Light source

If an object makes its own light. It's a light source.

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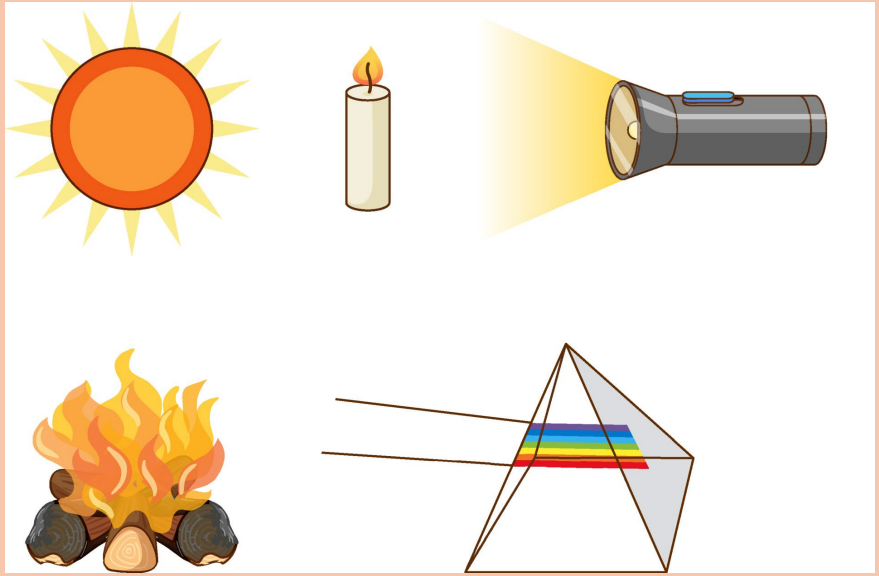
Welfare of the students

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Self reflection

Light source



Can you see anything in your room that can make its own light?

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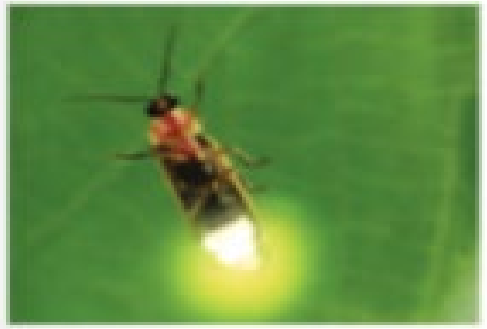
Self reflection

Word wall Activity

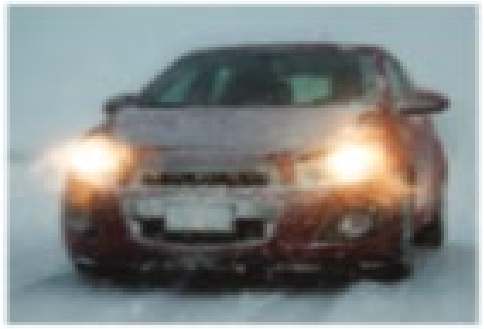
Light sources - Group sort (wordwall.net)

Exit ticket

Circle the things that give off light.













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Is it a light source?

	yes	no
	☐	☒
	☒	☐
	☒	☐
	☒	☐
	☐	☒
	☐	☒
	☒	☐

Exit ticket

Self-assessment

Can you:

- Name the parts of the plant?
- Draw the parts of a plant?

chat
محادثة







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Self reflection

Evaluation

How was the lesson?



Extended learning

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Self reflection

STEM Connection

What Does a Photographer Do?



A **photographer** takes photographs. The photographs can be of people, places, or things. Photographers use light to make photos look good. They need cameras to take photographs.

1. Why do you think photographers need to know about light?

Class Map

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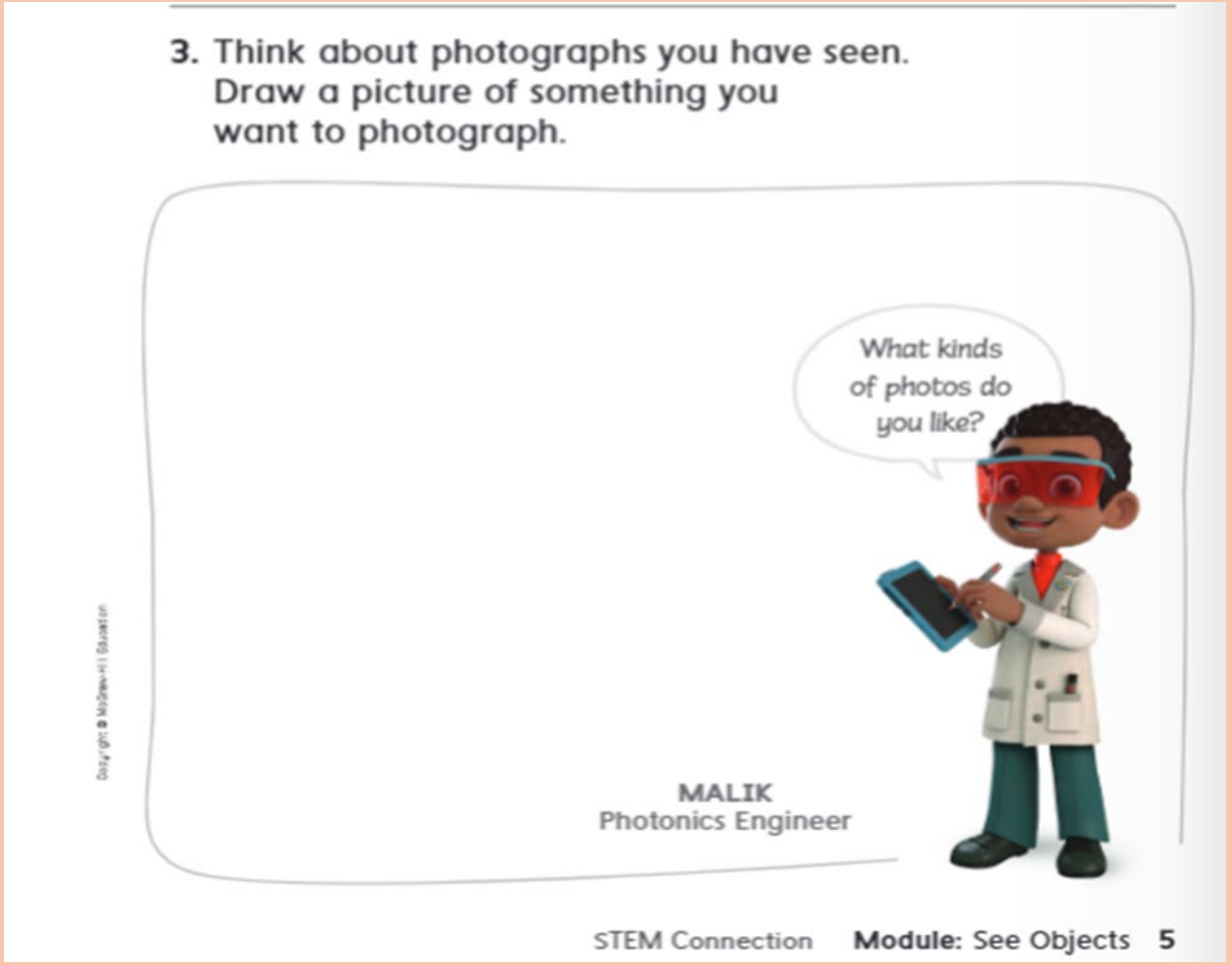
Welfare of the students

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Provide feedback

Self reflection

Draw a picture of something you would like to photograph.



Day 2



Class Map

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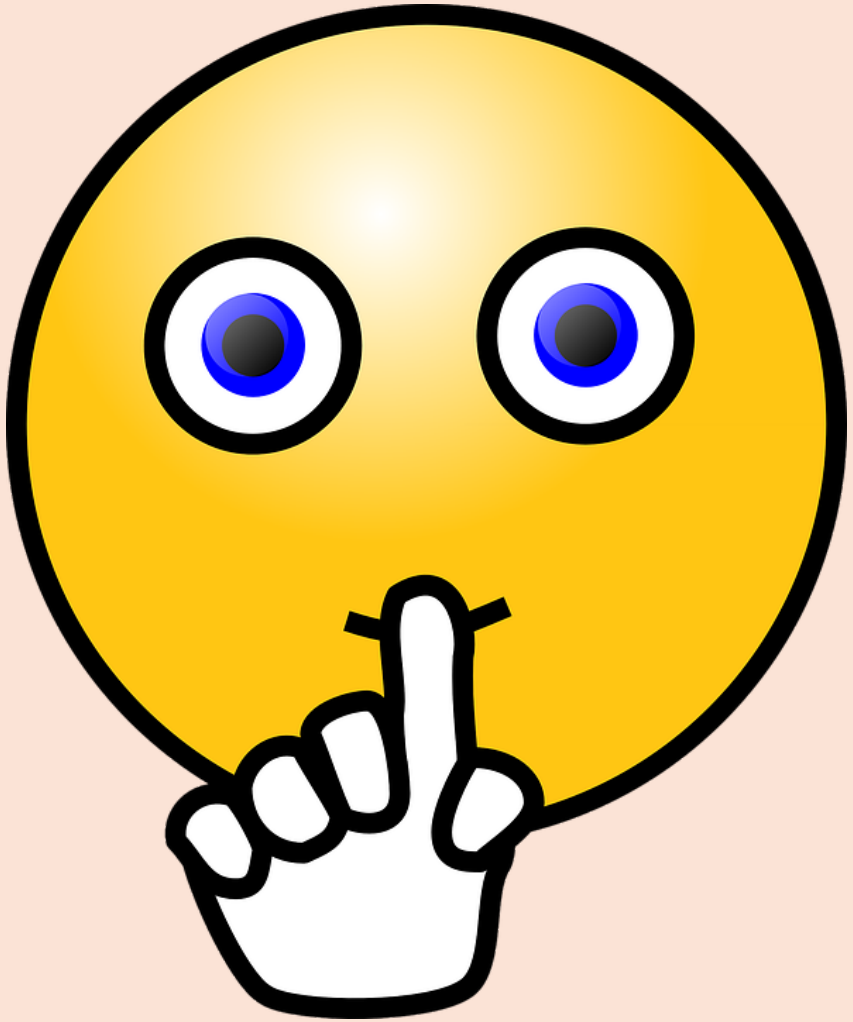
Self reflection

KEEP QUIET

Sit down









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Vocabulary

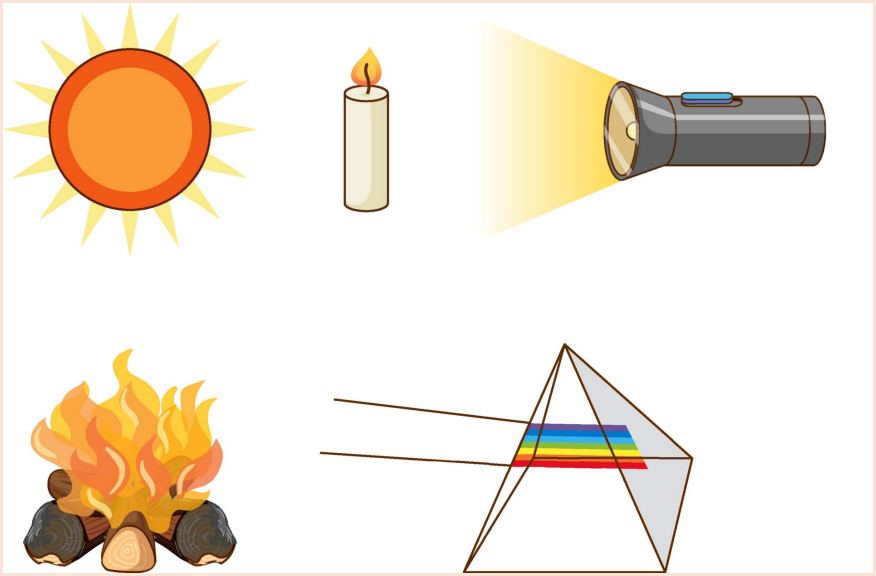


Light

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Self reflection

Day 2 – Light and sight

- The students will be able to investigate the relationship between light and sight by observing unknown objects with the lights off and with the lights on.

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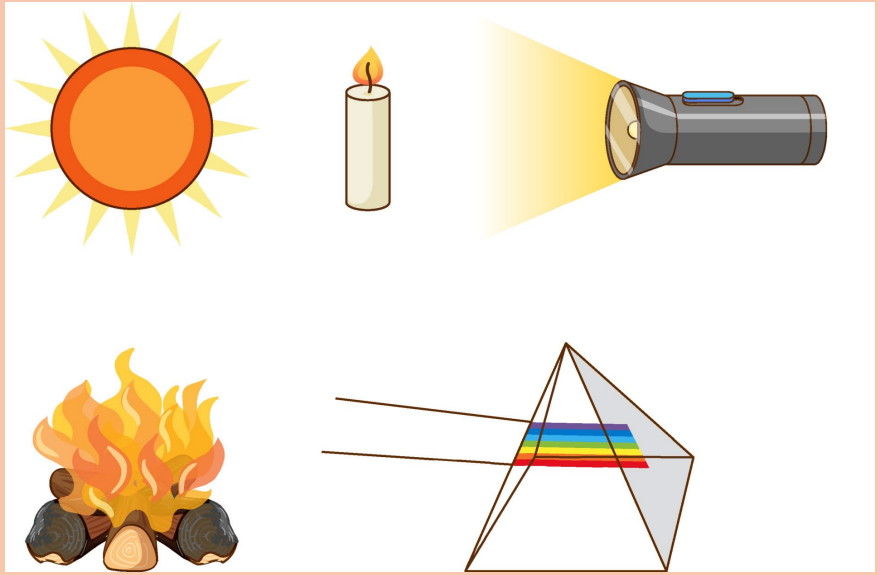


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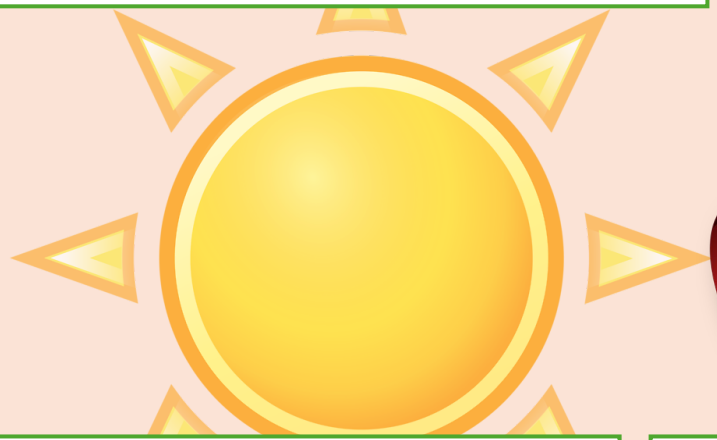
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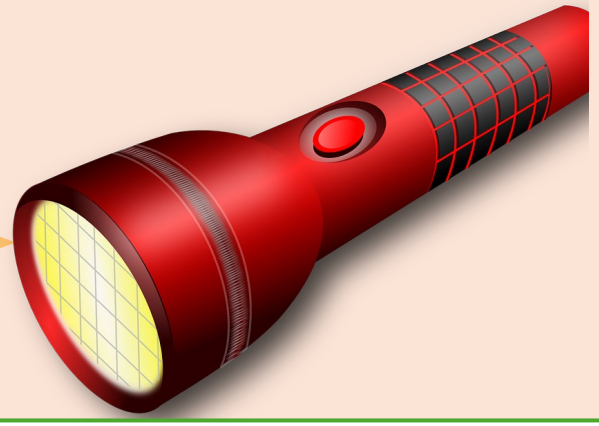
candle



fire

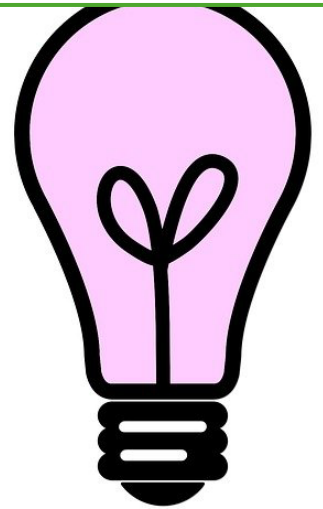


sun



flashlight

lightbulp



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Vocabulary



Illuminate

Illuminate means to light up.

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Why can you see some objects in the photo and not others?

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Illuminate

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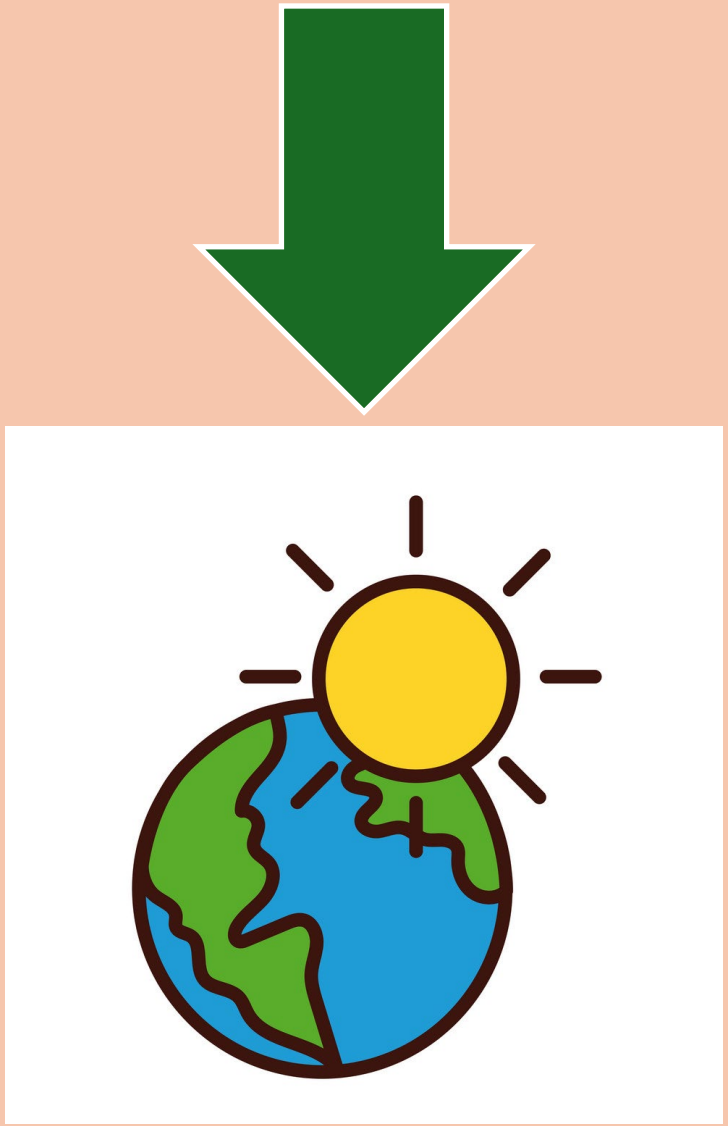
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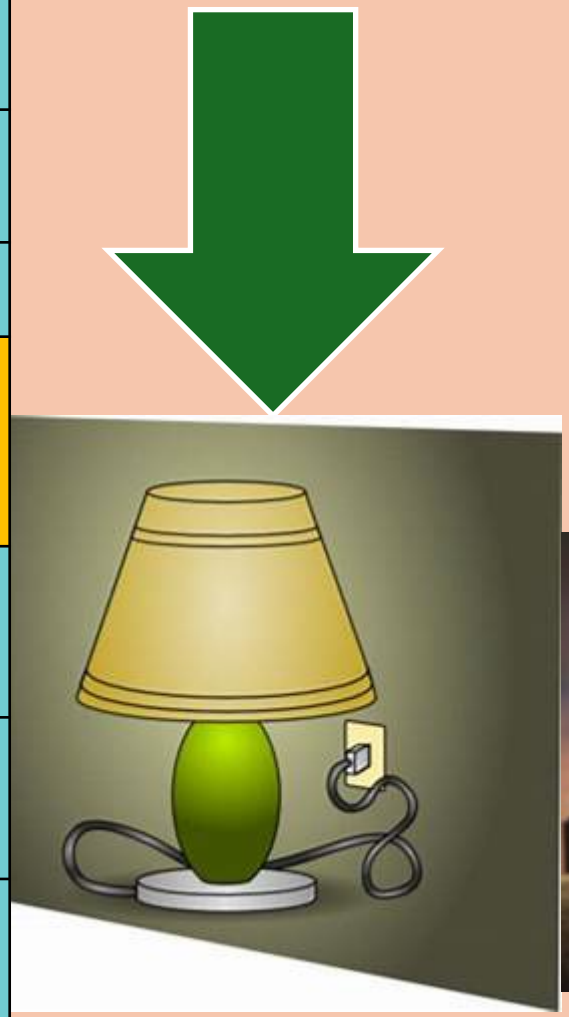
Self reflection

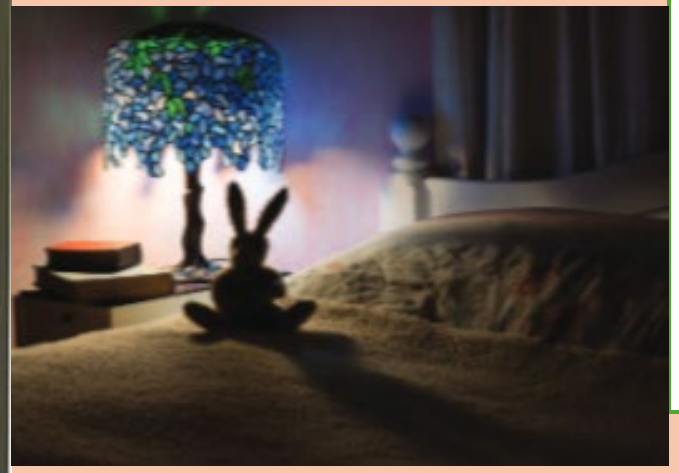


Illuminate

The Sun illuminates the Earth.

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Illuminate

The lamp illuminates the room.

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INQUIRY ACTIVITY

Hands On

Observe Light

You saw how light shines on a stage. Investigate how light affects how well we see things. Observe an object with and without light.

Materials



bag with mystery object

Make a Prediction When can you see your object best?

When the light is turned on.

Investigate

1. Turn off the lights.
   Observe your object.
   Put your object back in the bag.
2. **Record Data** Use pictures or words to describe what you saw.
3. Observe your object.
4. Use pictures or words to describe what you saw.



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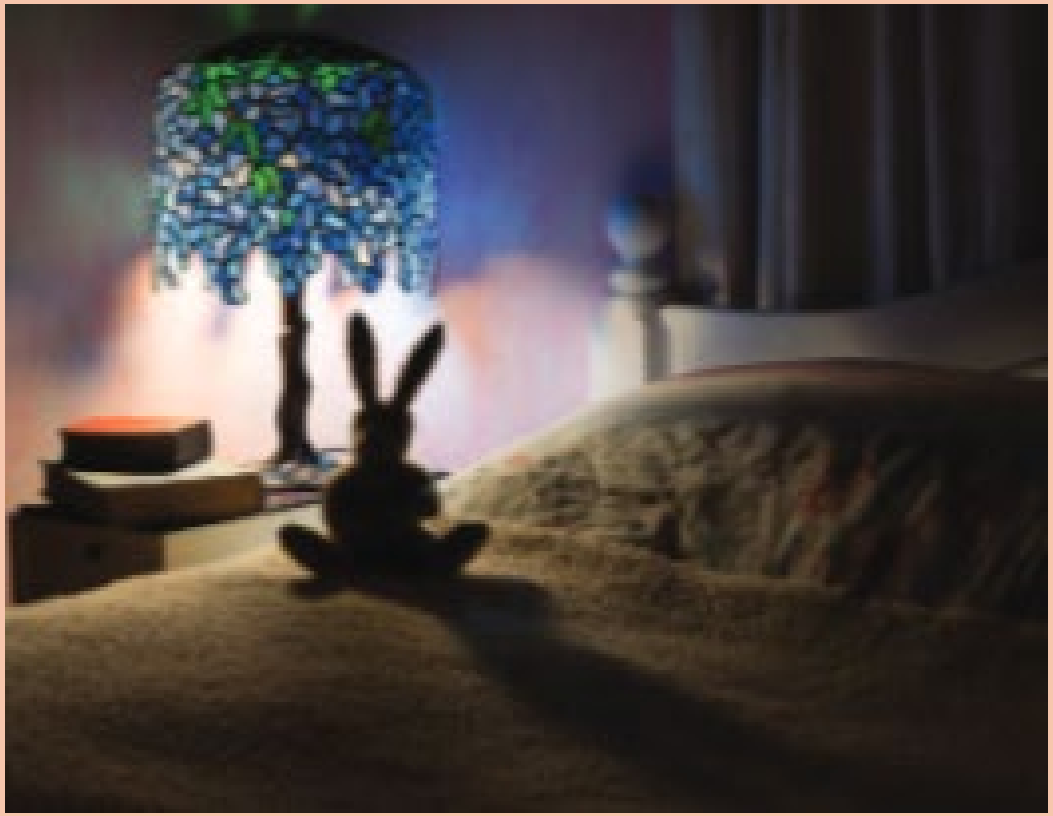
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Self reflection

Look at the picture and tell me what can you see?



Can you see the colour of the bunny?

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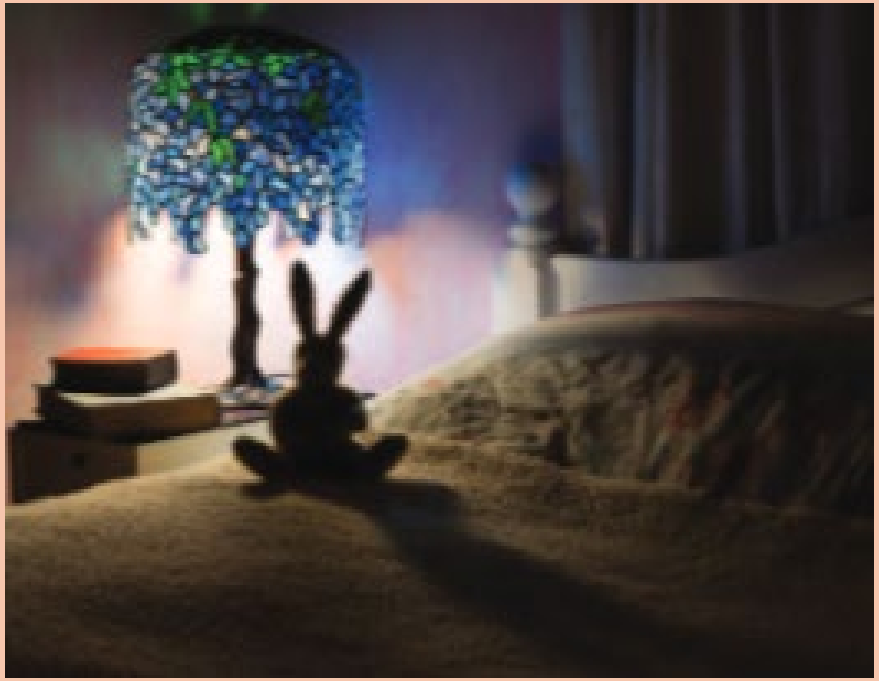
What can you see in this picture?



Can you see the colour of the bunny?

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Compare the pictures.





I can not see the color of the bunny because the front of the bunny is not illuminated.

I can see the bunny is pink because it is illuminated.

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Amount of Light	My Observations
lights off	Bunny not clear
lights on	

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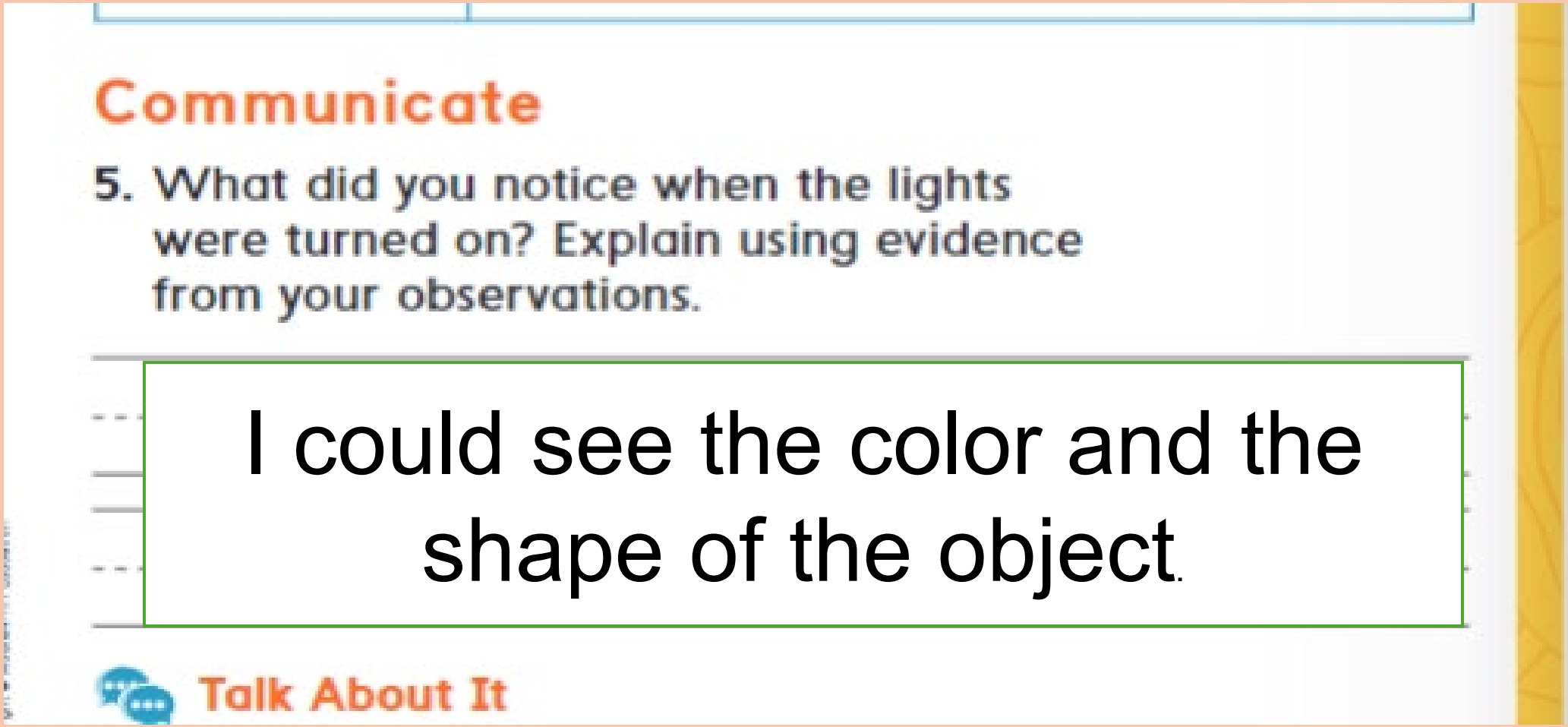
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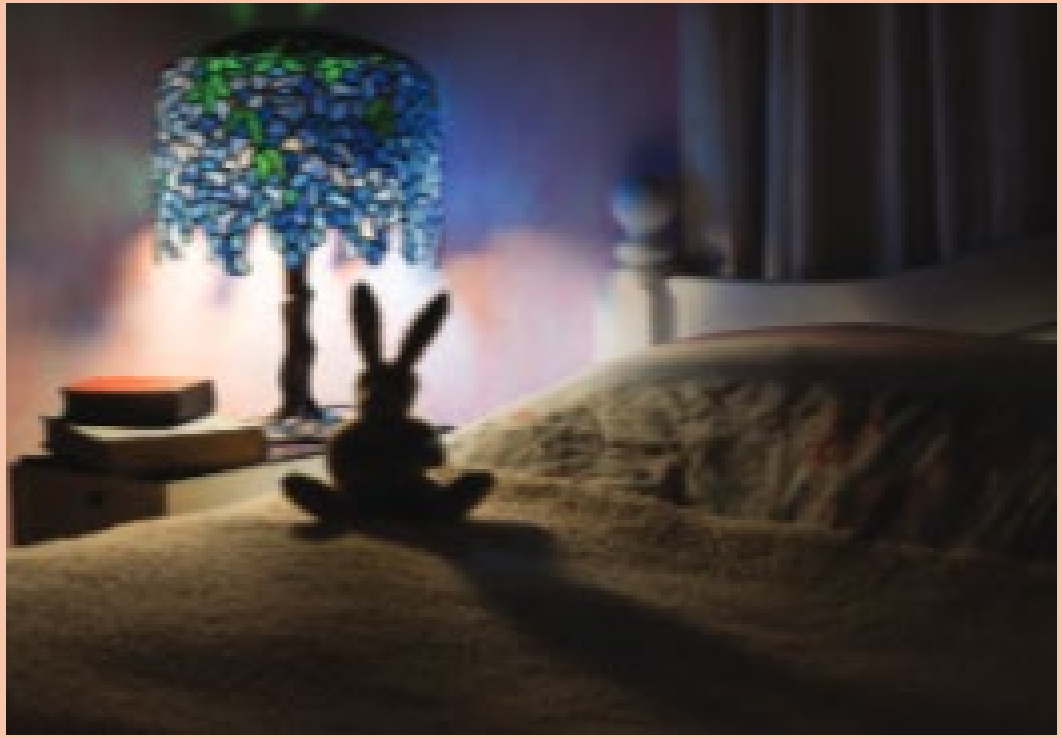




Amount of Light	My Observations
lights off	
lights on	The bunny is pink

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Communicate
5. What did you notice when the lights were turned on? Explain using evidence from your observations.
I could see the color and the shape of the object.
Talk About It



Page 14

You cannot see what is in the room without light. We cannot see the color of the bunny. The front of the bunny is not illuminated. Objects can only be seen when illuminated.

How are these caves illuminated?

Page 15

This cave is illuminated by sunlight.

This cave is illuminated by the scientists' headlamps.



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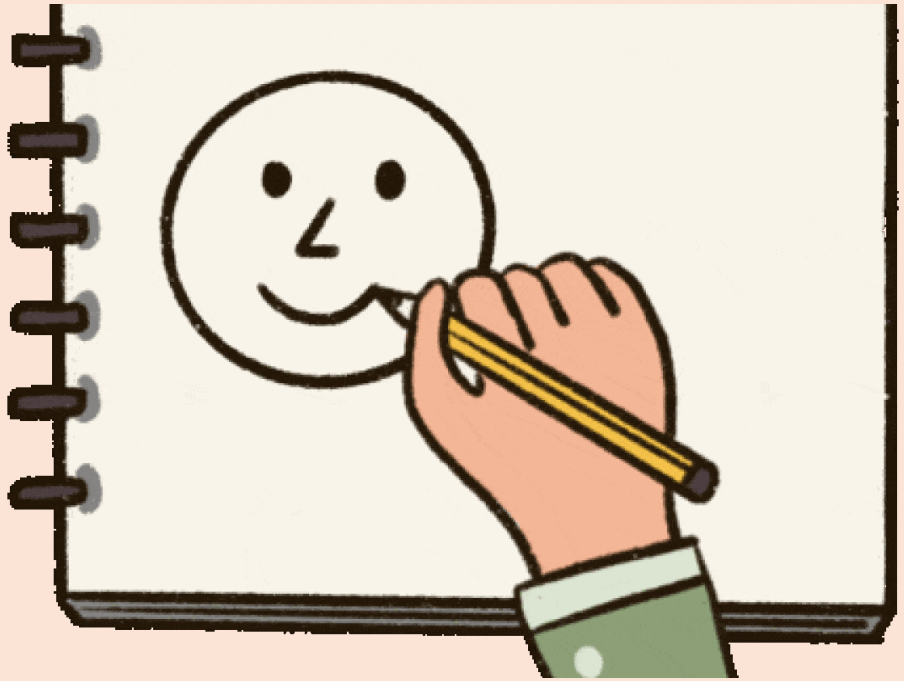
Welfare of the students

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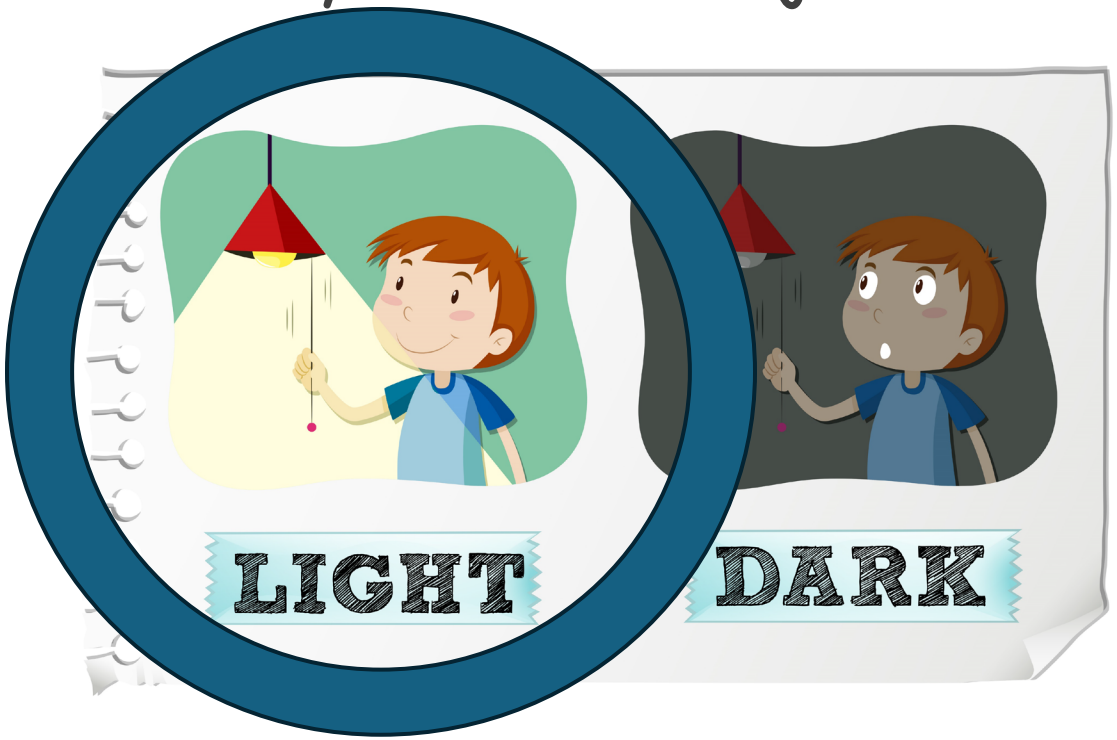
Self reflection

Can you draw me a picture to show me the meaning of illuminate?



Exit ticket

- When will you see an object the best?



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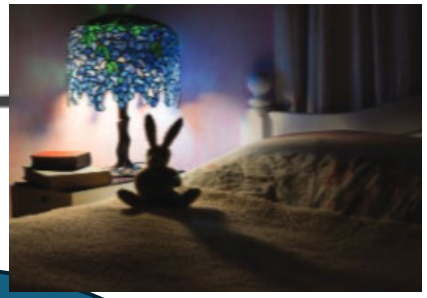
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Self reflection

Exit ticket



- Is the bunny illuminated?

YES

NO

Self-assessment

Can you:

- Name the parts of the plant?
- Draw the parts of a plant?

chat
محادثة







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Self reflection

Evaluation

How was the lesson?



Day 3



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Plenary/lit ticket
Provide feedback

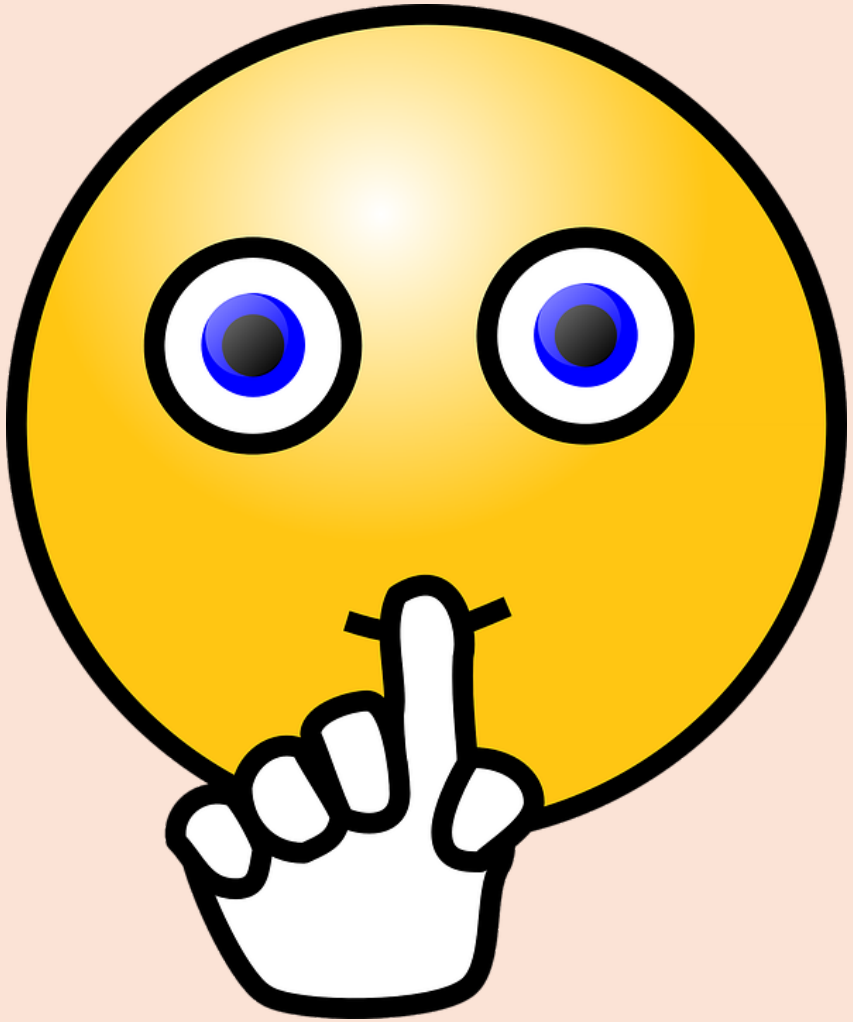
Self reflection

KEEP QUIET

Sit down









Listen to the teacher

- Class Map
- Greeting
- Date + Rules
- Daily routine
  New vocab
- Prerassesesment &
  The Warming Up
- OUTCOME
- Model the lesson +
  Thinking skills
  &Solving Problem
- Welfare of the
  students
- Differentiated
  activities
- Plenary/lit ticket
  Provide feedback
- Self reflection

March 2026]

Sun	Mon	Tues	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday

- Class Map
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- Daily routine
  New vocab
- Prerssesment & The Warning Up
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LIGHT

DARK

Class Map
Greeting
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Prerssesment & The Warning Up
OUTCOME
Model the lesson + Thinking skills &Solving Problem
Welfare of the students
Differentiated activities
Plenary/lit ticket Provide feedback
Self reflection

Vocabulary

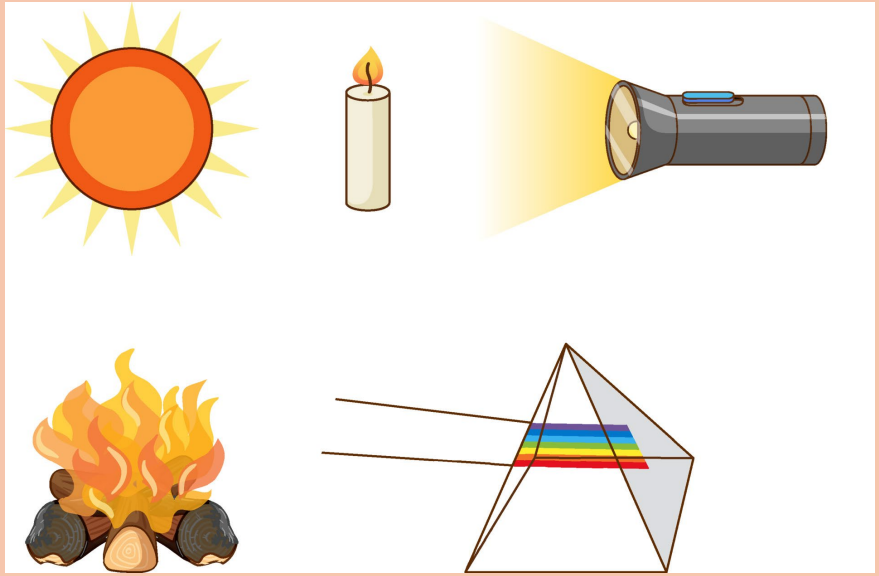


Light

Light is a from of energy that allows you to see.

Class Map
Greeting
Date + Rules
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New vocab
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Vocabulary



Light source

If an object makes its own light. It's a light source.

Class Map
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Vocabulary



Illuminate

Illuminate means to light up.

Class Map
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Self reflection

Starter activity:

How is the cave being illuminated?





Scientists head lamps

Class Map

Greeting

Date + Rules

Daily routine
New vocab

Prerssesment & The Warning Up

OUTCOME

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Welfare of the students

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Self reflection

Starter activity:

How is the piano illuminated?





A spotlight

Class Map

Greeting

Date + Rules

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Prerssesment & The Warning Up

OUTCOME

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Welfare of the students

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Self reflection

Starter activity:

How is the hand illuminated?





A candle

Class Map

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Date + Rules

Daily routine
New vocab

Prerssesment & The Warning Up

OUTCOME

Model the lesson + Thinking skills &Solving Problem

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Self reflection

Day 3 – Light and sight

- The students will be able to carry out an investigation to observe a beam of light to determine how light travels.
- They will be able to compare their results with their predictions.

Class Map

Greeting

Date + Rules

Daily routine
New vocab

Prerssesment & The Warning Up

OUTCOME

Model the lesson + Thinking skills &Solving Problem

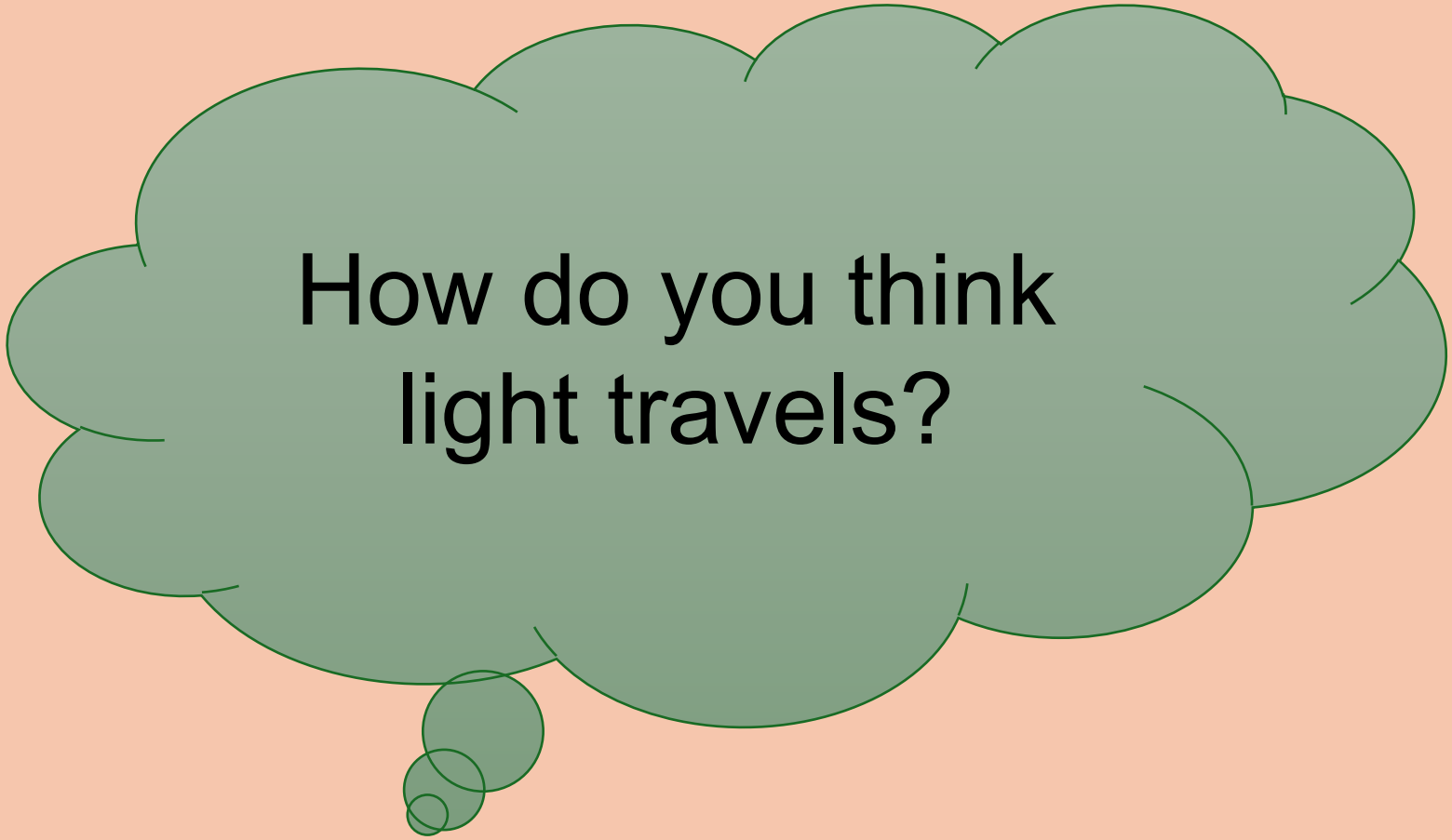
Welfare of the students

Differentiated activities

Plenary/lit ticket
Provide feedback

Self reflection

Let’s experiment!



Class Map

Greeting

Date + Rules

Daily routine
New vocab

Prerssesment & The Warning Up

OUTCOME

Model the lesson + Thinking skills &Solving Problem

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Self reflection

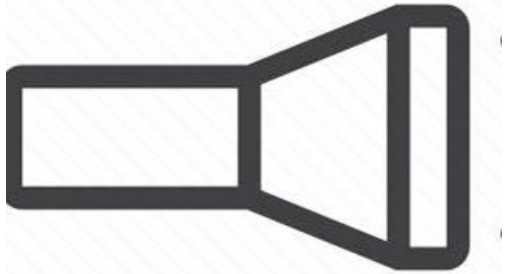
INQUIRY ACTIVITY

Demonstration

Light Travels

We can only see objects that are illuminated. Light moves from place to place. Investigate how the light travels from a flashlight.

Make a Prediction Draw a picture of how you think the light from a flashlight moves. Use arrows.



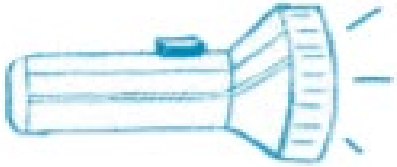
Materials

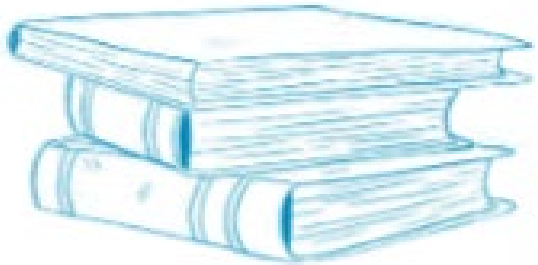

baby powder


flashlight


book

4. Draw how the light traveled.



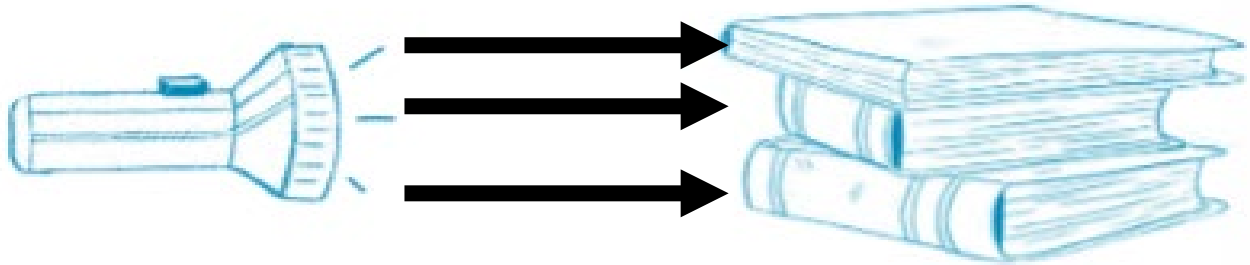


Communicate

5. Did your observations match your prediction? Explain.

Page 16-17

4. Draw how the light traveled.



Communicate

5. Did your observations match your prediction? Explain.

Yes , light travel in straight line to the book.

Class Map

Greeting

Date + Rules

Daily routine
New vocab

Prerssesment & The Warning Up

OUTCOME

Model the lesson + Thinking skills &Solving Problem

Welfare of the students

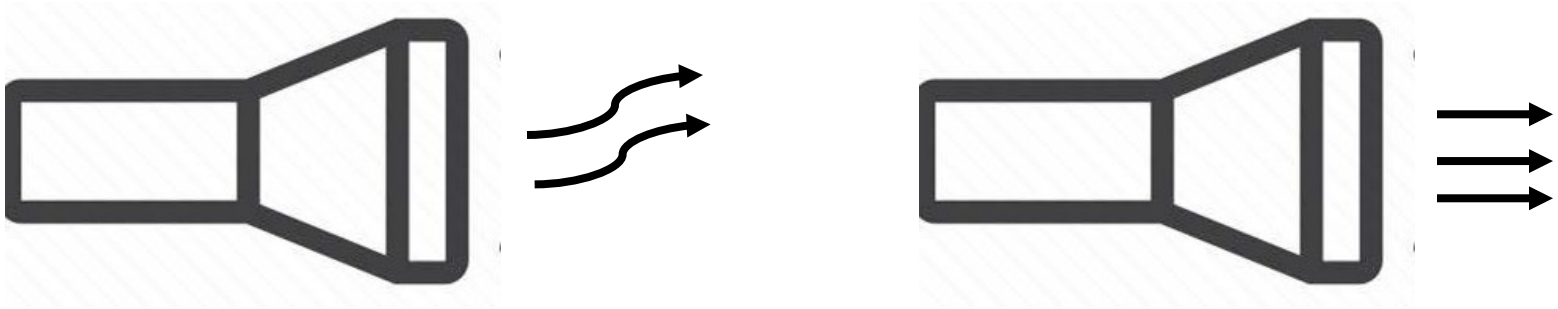
Differentiated activities

Plenary/lit ticket
Provide feedback

Self reflection

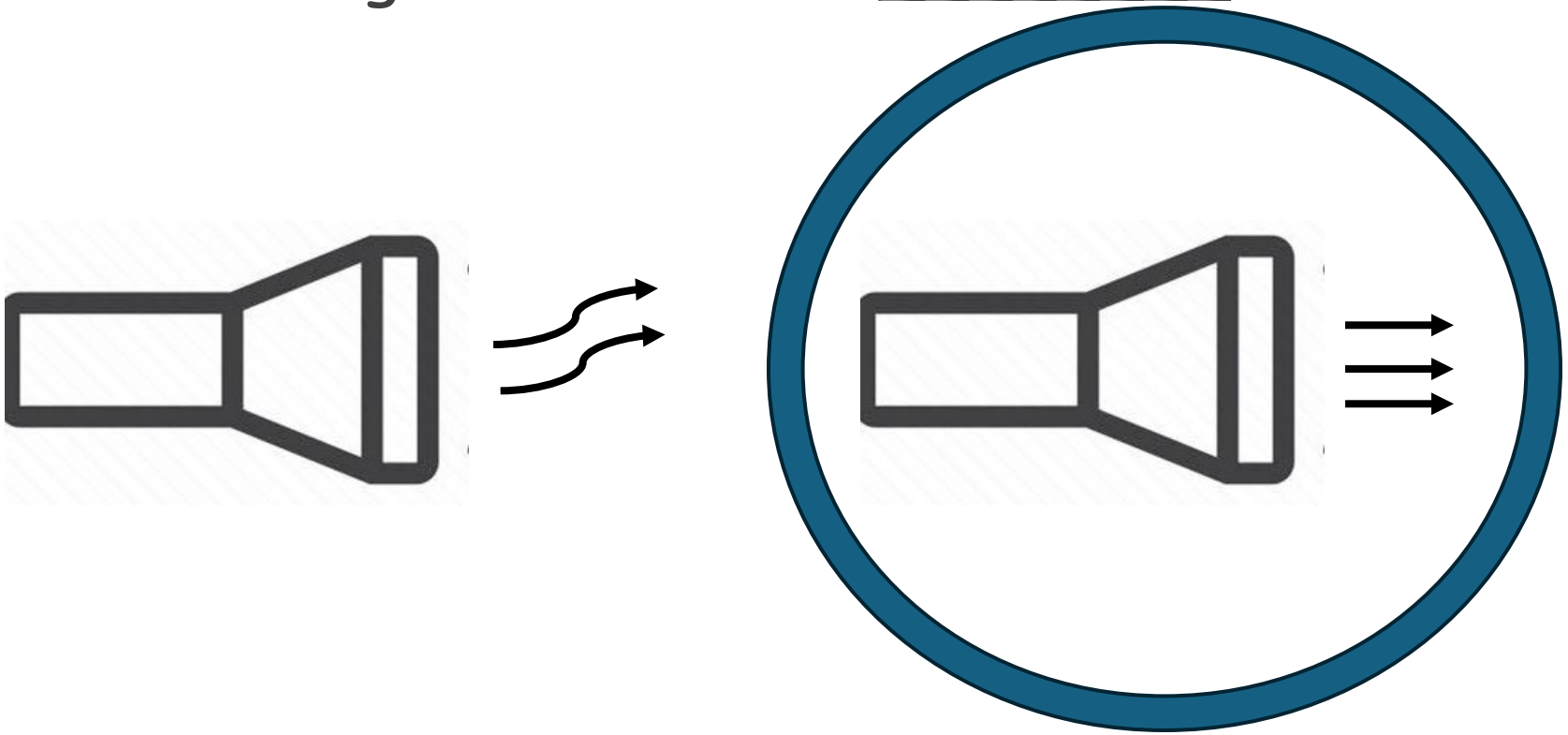
Conclusion

- Light travels in a _____



Straight line

- Light travels in a _____



Class Map

Greeting

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Prerssesment & The Warning Up

OUTCOME

Model the lesson + Thinking skills &Solving Problem

Welfare of the students

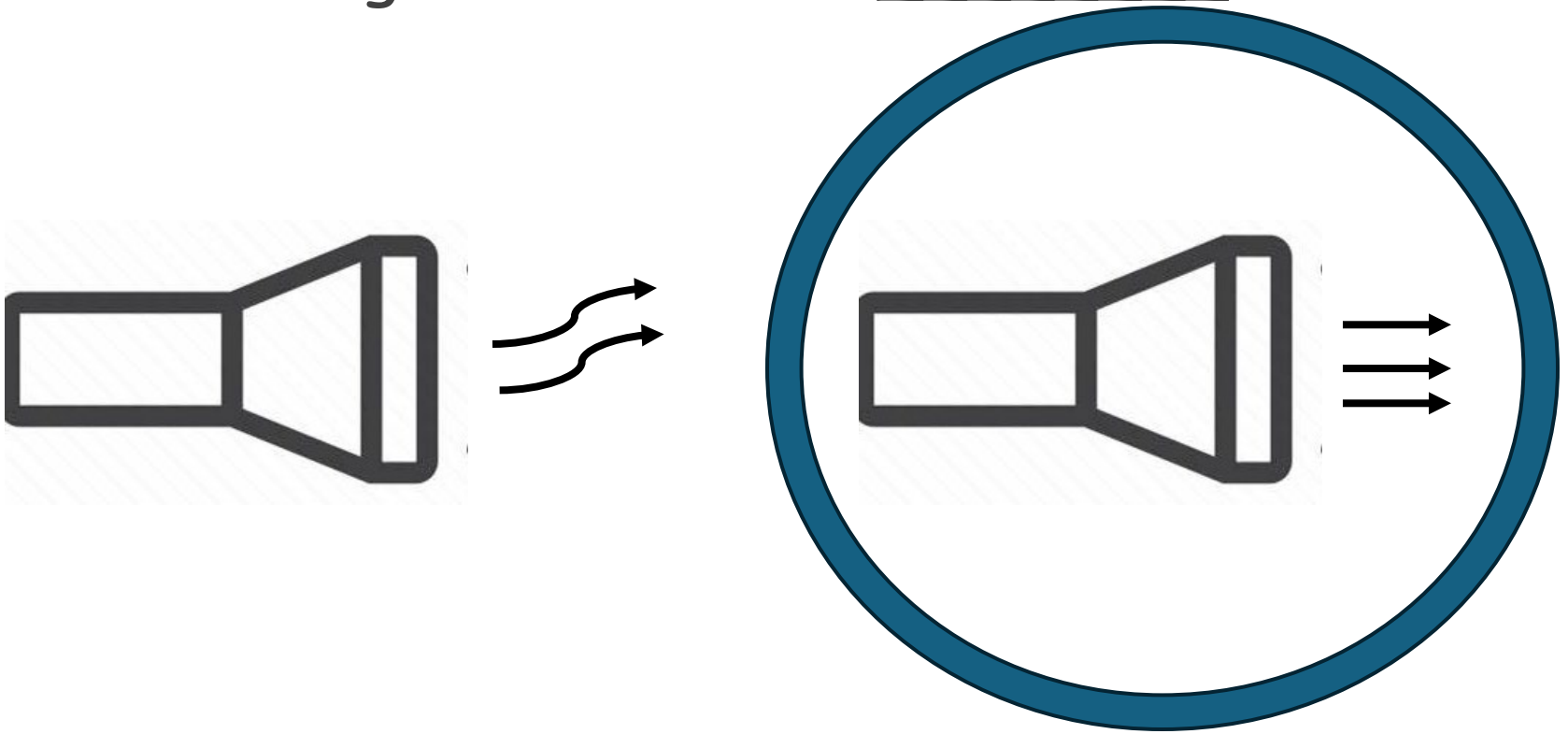
Differentiated activities

Plenary/lit ticket
Provide feedback

Self reflection

Straight line

- Light travels in a _____



Self-assessment

Can you:

- Name the parts of the plant?
- Draw the parts of a plant?

chat
محادثة







Class Map

Greeting

Date + Rules

Daily routine
New vocab

Prerssesment & The Warning Up

OUTCOME

Model the lesson + Thinking skills &Solving Problem

Welfare of the students

Differentiated activities

Plenary/lit ticket
Provide feedback

Self reflection

Evaluation

How was the lesson?



Day 4– Light and sight

- The students will be able to review the vocabulary words and science terms they have learned during this unit. They will be able to use the new vocabulary to explain light, identify light sources and indicate how light travels.

Starter activity:

Light - Group sort (wordwall.net)

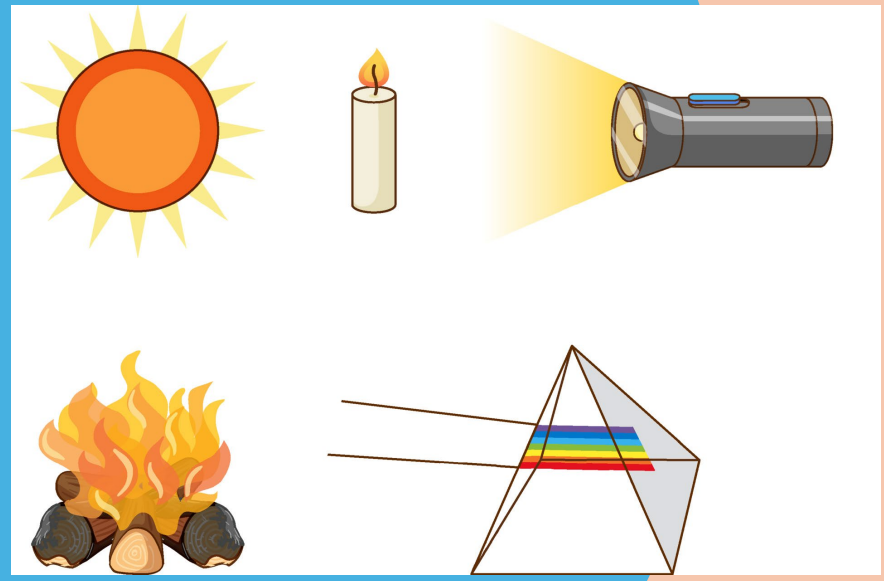
Vocabulary



Light

Light is a from of energy that allows you to see.

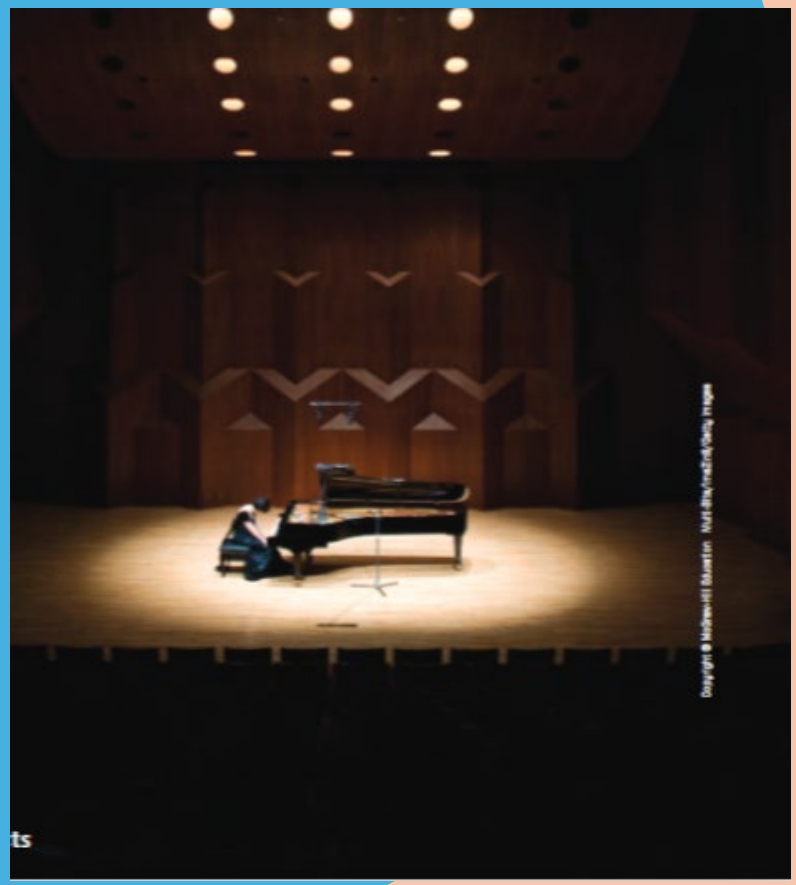
Vocabulary



Light source

If an object makes its own light. It’s a light source.

Vocabulary



Illuminate

Illuminate means to light up.


Let’s review!

Light sources.

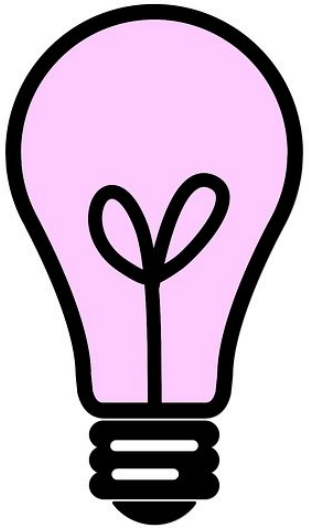


candle



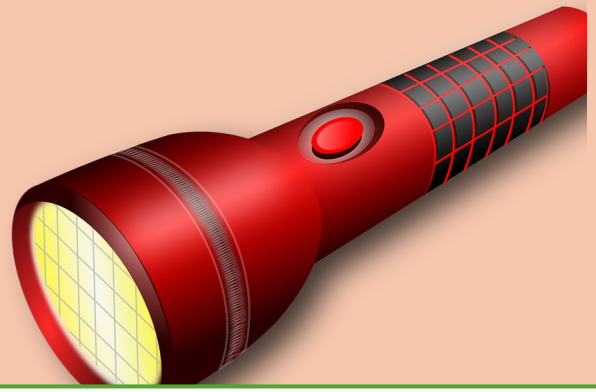
fire

lightbulp





sun



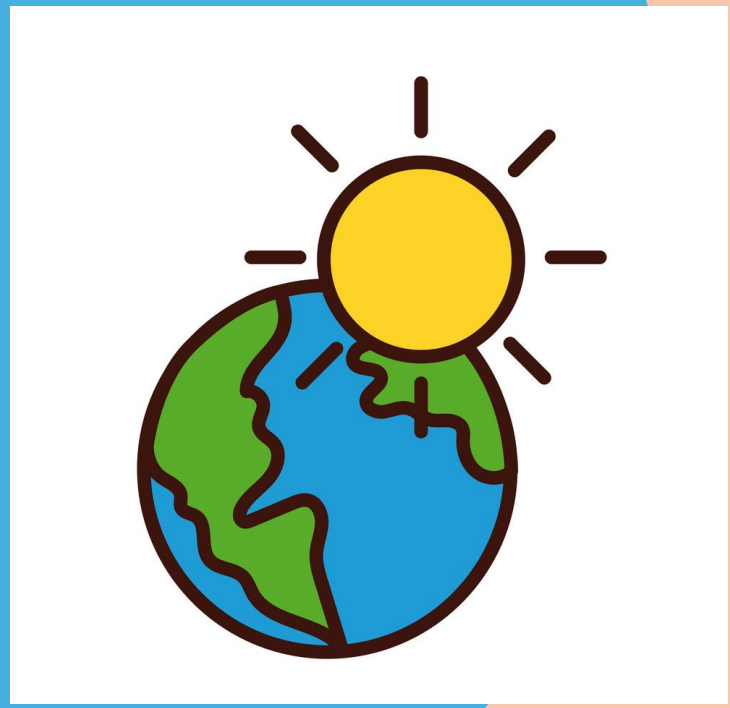
flashlight



LIGHT



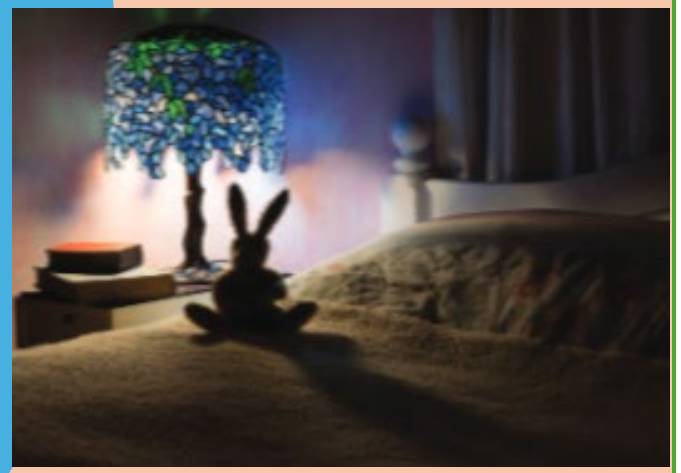
DARK



Illuminate

The Sun illuminates the Earth.





Illuminate

The lamp illuminates the room.

Starter activity:

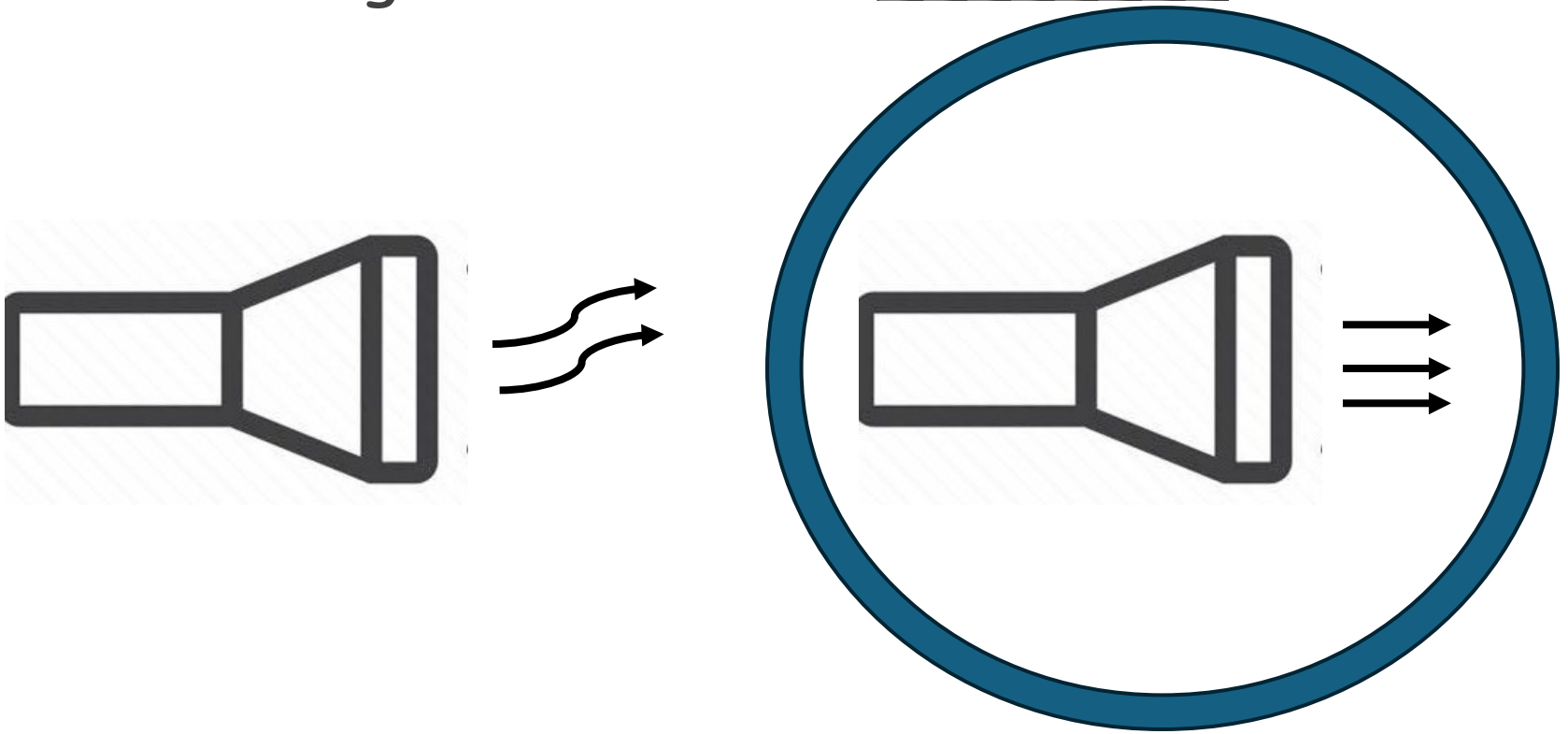
How is the cave being illuminated?



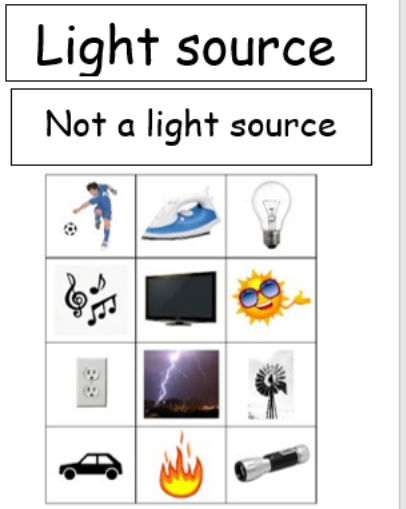


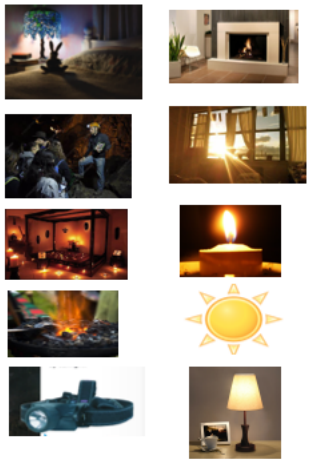
Scientists head lamps

- Light travels in a _____

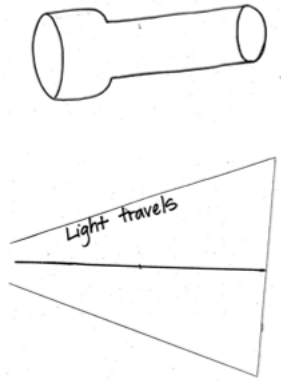


Group activities:





Room	What illuminates the room?



Exit ticket

Object	How would you use this object?

2. Which of these actions would make your room the brightest? Check the box that best describes your answer.

- ☐ Turn on some of the lights.
- ☐ Turn off the lights.
- ☐ Turn on all of the lights.

3. How does light travel? Circle the answer.

A. Light travels in a straight line.

B. Light travels in circles.



LESSON 1

Review

EXPLAIN THE PHENOMENON | Why can you see some objects in the photo and not others?

Summarize It

How do you know you cannot see an object without light?
Use evidence from this lesson to explain.

I cannot see my self when light off .
I can not see bunny in the dark .

REVISIT PAGE KEELEY SCIENCE PROBES Look at the Page Keeley Science Probe on page 7. How has your thinking about light changed?

Three-Dimensional Thinking



Answer the questions based on what you have learned about light.

1. How can you illuminate a dark cave? List an object. Tell how it is used.

Object	How would you use this object?
flashlight headlump	move beam of light by hand

2. Which of these actions would make your room the brightest? Check the box that best describes your answer.

- [ ] Turn on some of the lights.
- [x] Turn off the lights.
- [ ] Turn on all of the lights.

3. How does light travel? Circle the answer.

A. Light travels in a straight line.
B. Light travels in circles.