



Are You Ready?

Listen to me. → → Eyes on me. ← ←





Why Is the Sky Blue?



You are going to learn:



Topic: Nature — Why is the sky blue?



Words: sunlight, scatter, give off, reach



Sentence pattern: That is why...

Sing a Song

TWO LITTLE BLACKBIRDS

Two little blackbirds sitting on a hill.

One named Jack.

And one named Jill.

Fly away, Jack.

Fly away, Jill.

Come back, Jack.

Come back, Jill.

Let's prepare!



Vocabulary



The forest looks beautiful in the morning **sunlight**.

sun·light



Which picture shows “sunlight”?



Vocabulary



The rose petals were **scattered** on the ground.

scat·ter



Which picture shows
“scatter”?



Vocabulary



Fireflies **give off** light when they fly at night.

give off



Will the light bulb give off light when there is no electricity?



Vocabulary



The man is trying to **reach** the top of the mountain.

reach



Where is the boy trying to reach?



Let's read!

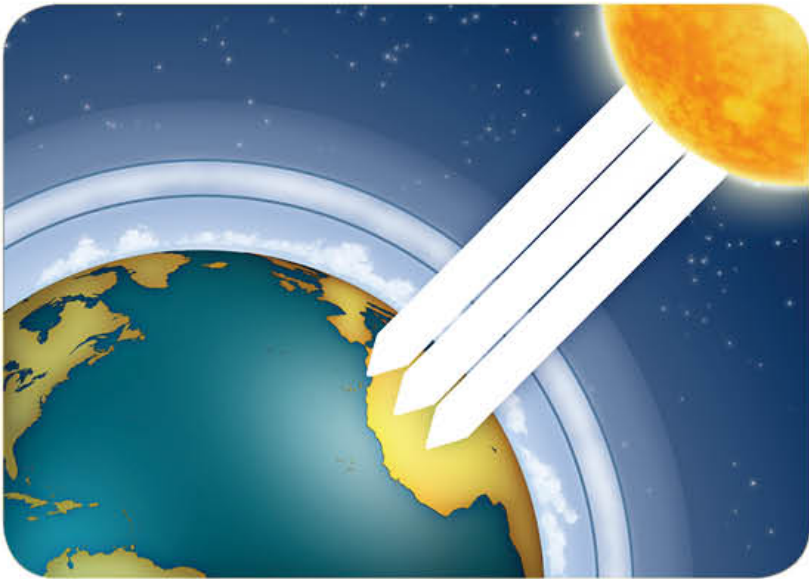




Have you ever wondered why the sky is a blue color? And do you know the truth is the blue color does not come from the sky?



Where do you think the blue color comes from?



Then where does the blue color come from? It comes from **sunlight** traveling through the air. Sunlight looks like it is a white color to us, but it actually holds all the colors of the rainbow.



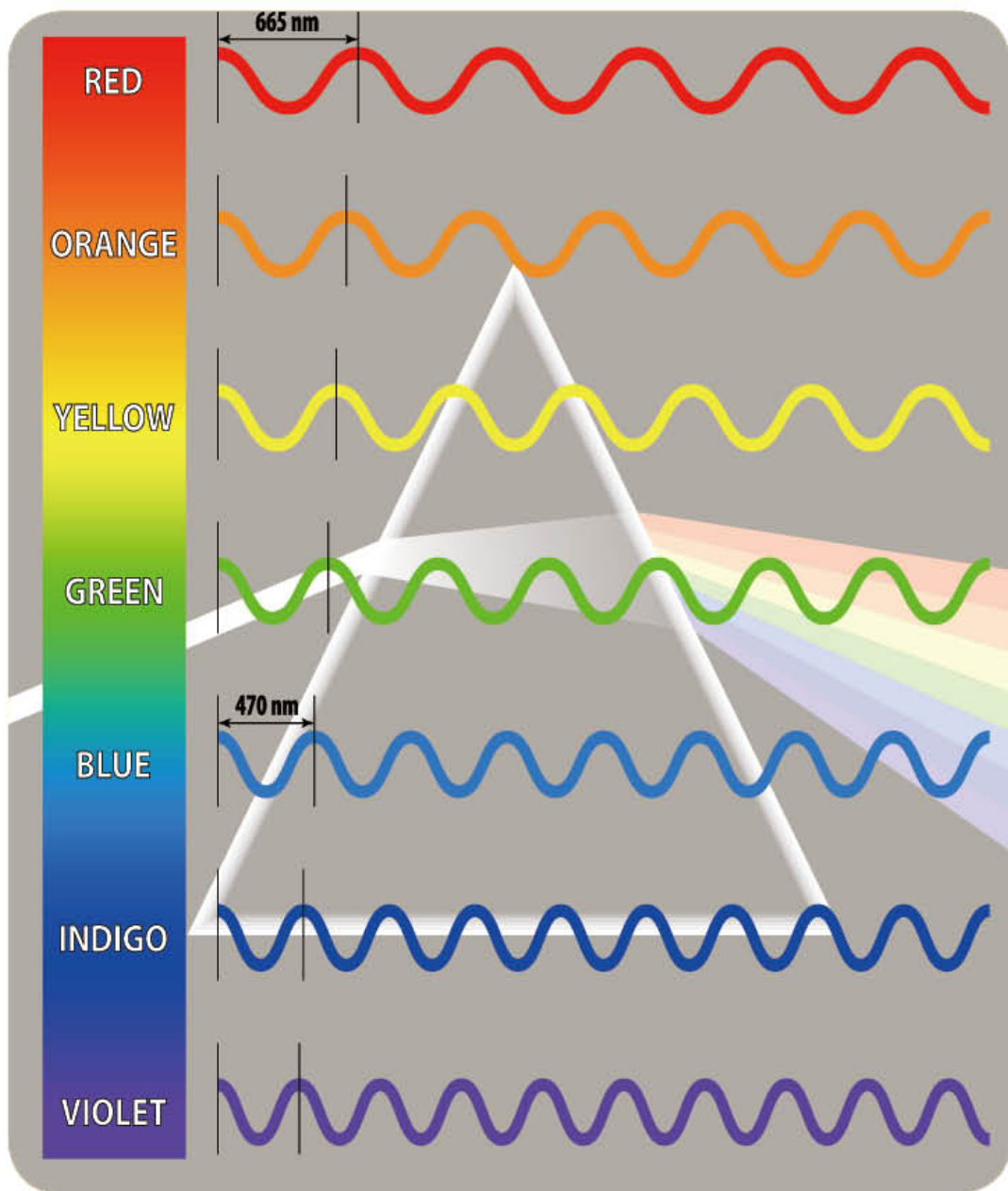
Where does the blue color come from?



So how do all the colors of the rainbow make the sky look blue? It's because when sunlight passes through air, some of the colors are **scattered** more than others.



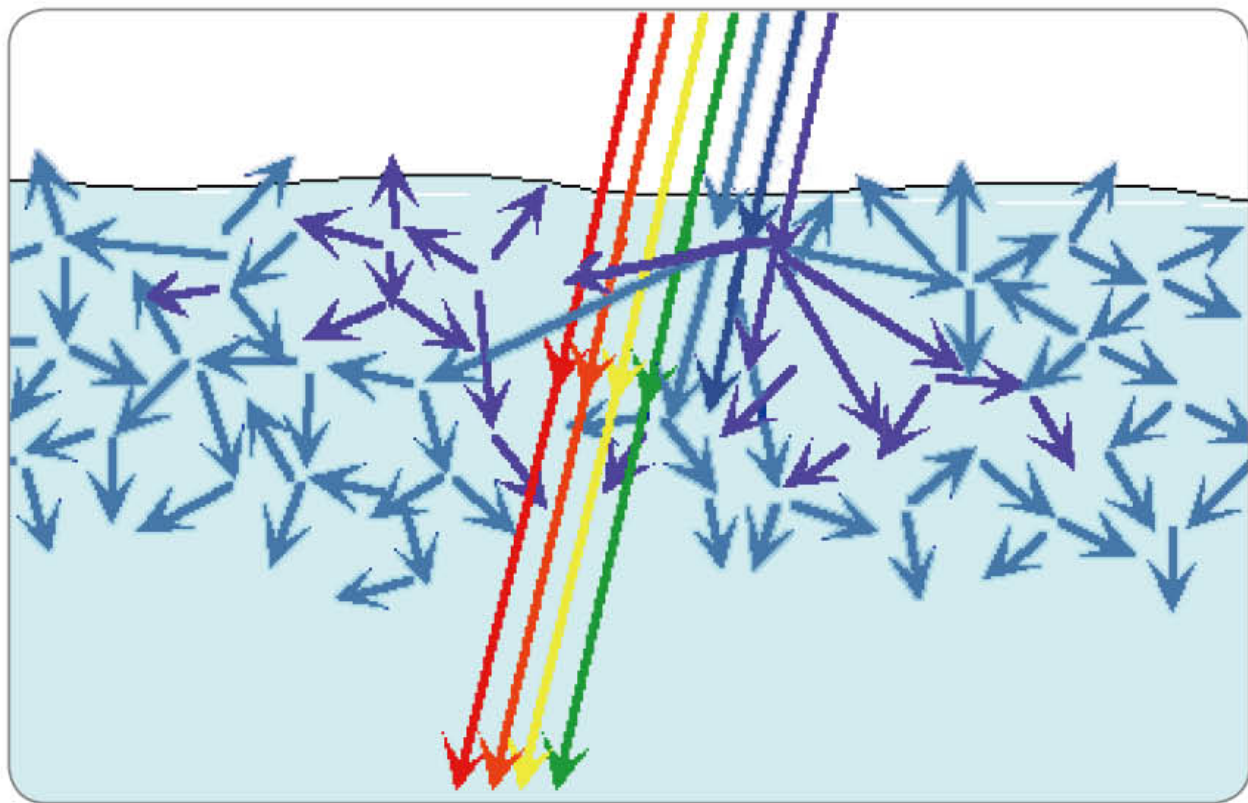
How do all the colors of the rainbow make the sky look blue?



The color blue has a shorter wavelength than other colors, so it is scattered more often. As it scatters, it **gives off** a blue light. The color red has a longer wavelength so it doesn't scatter so much, and **that is why** our sky is not red!



Why is the color blue scattered more often than red?

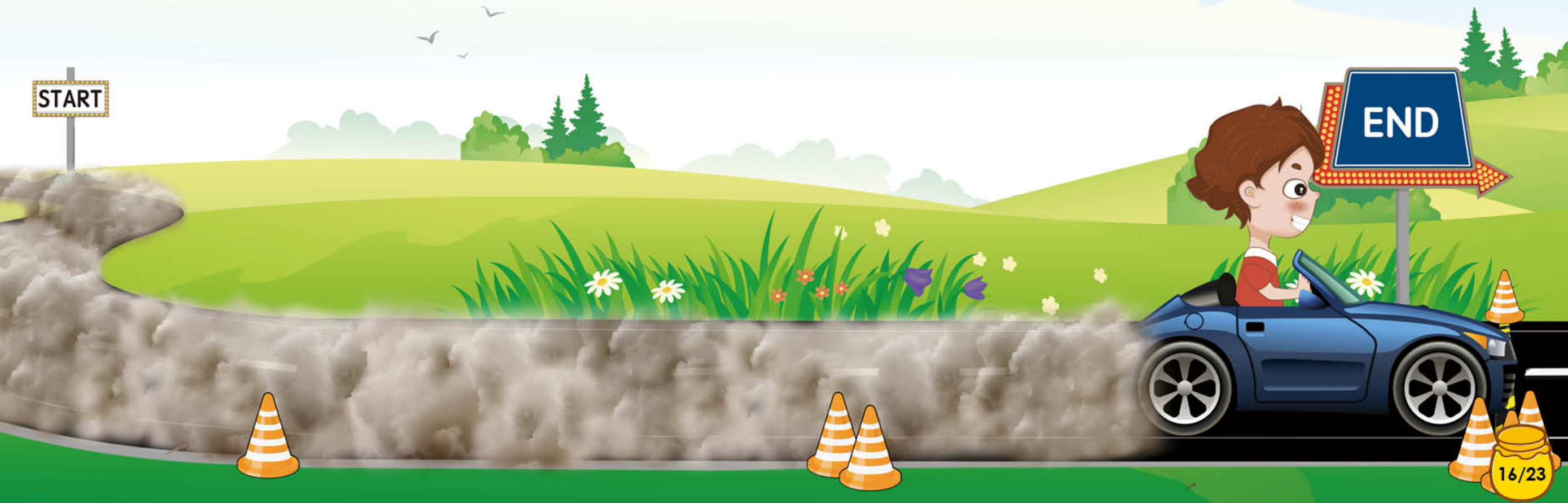


The blue light gets scattered all around the sky, so wherever we look, it is this color that **reaches** us. And that is why the sky looks blue.



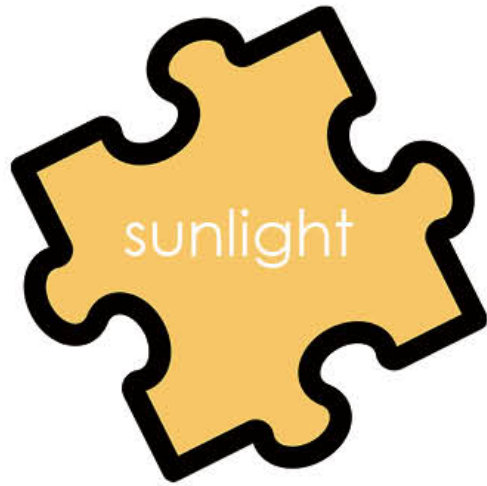
Why does blue light reach us wherever we look?

Let's practice!



Activity

Read the words and match them with the definitions.



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- 1 Get to or arrive at a place.
- 2 To produce a smell, light, heat, sound, etc.
- 3 To move in different directions.
- 4 Natural light that comes from the sun.

Activity

Look at the pictures and put them in order.

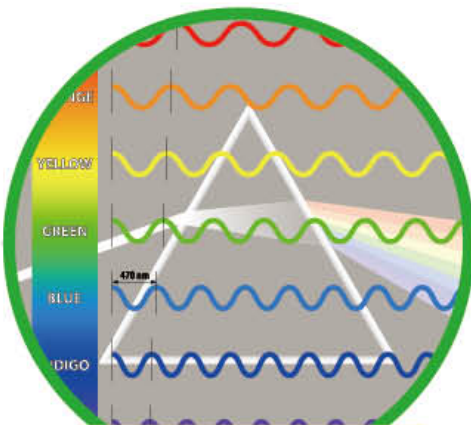


Why does the sky look blue?



scatter

A



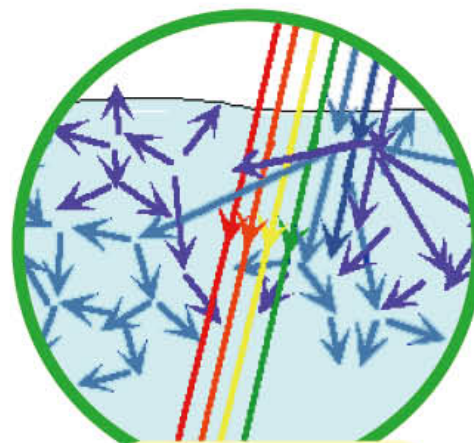
wavelength

B



sunlight

C



give off

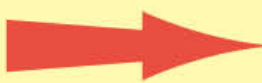
D



rainbow

E

C



Activity

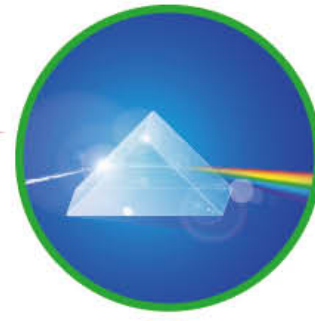
Match the sentences with the pictures.

The color blue gives off a blue light as it scatters.



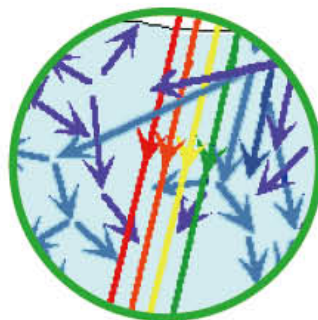
A

The blue color comes from sunlight travelling through the air.



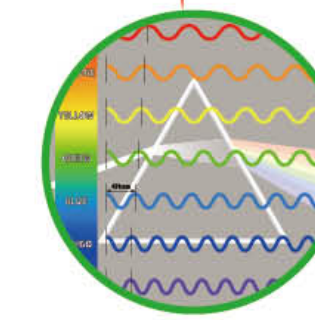
B

The white color we see from sunlight holds all the colors of the rainbow. Some of the colors will be scattered when sunlight travels through the air.



D

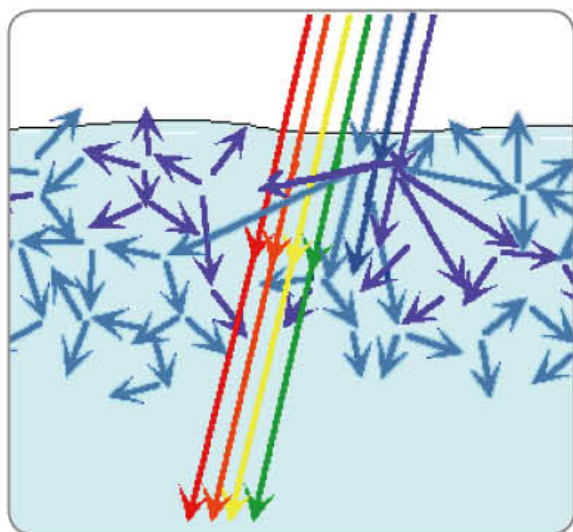
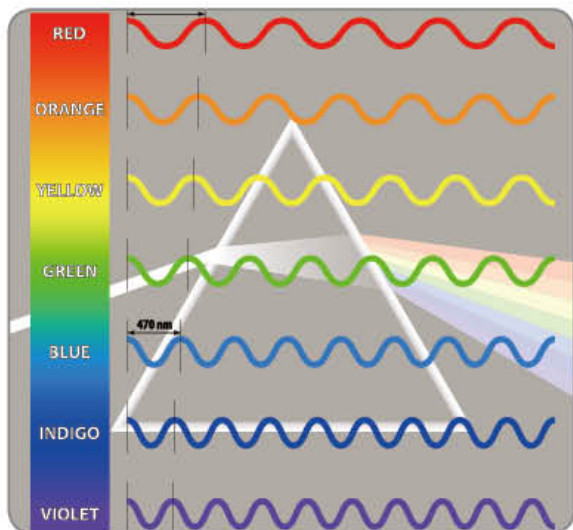
The color blue is scattered more often because of its short wavelength.



C

Writing Preparation

Prepare for your writing by answering the questions.



Let's talk!



Why is the color blue scattered more than red?

Empty yellow speech bubble for the answer.



How does the color blue make the sky look blue?

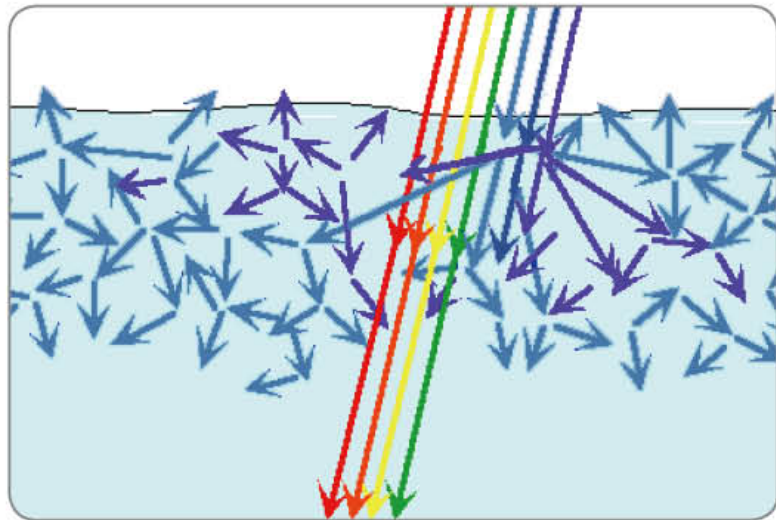
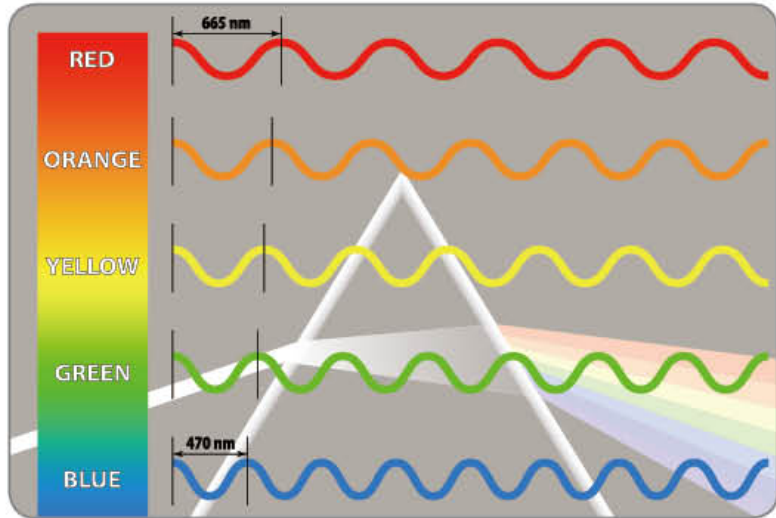
Empty yellow speech bubble for the answer.



Hints: shorter wavelength scatter give off

Writing Project

Write a passage about how the color blue makes the sky look blue.



Hints: shorter wavelength scatter give off

Today I learned:

Topic

Nature —
Why is the sky blue?

Words

-  sunlight
-  scatter
-  give off
-  reach

Sentence Pattern

 **That is why** our sky
is not red.

SEE YOU SOON!



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TALK

