



What is reflection?

Hello year 5 this information slide is about what reflection is and how it works. I hope you learn something.



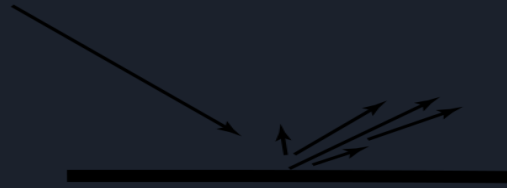
Reflection

When light from an object shines on a surface, it changes direction or goes the same direction. It bounces off the surface at the same angle it hits. This is called reflection.



Kinds of reflection

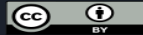
There are two different types of reflection; specular reflection and diffuse reflection. Specular reflection is defined as light reflected of a smooth surface at a definite angle, whereas diffuse reflection is produced by rough and bumpy surfaces that tend to reflect light in all directions.



Specular
Reflection



Diffuse
Reflection



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Reflective and non-reflective materials

There are many materials that can be reflective, but did you know that there are a huge bunch of materials that are non-reflective? That includes wood, paper, socks, bricks and many more!

Here is a list of reflective and non-reflective materials.

Reflective materials: Foil, spoon, plastic (smooth), mirror, steel, metal, iron, diamond.

Non-reflective materials: wood, cobblestone, fabric, food, rug, paper, bricks.

Fun facts:

- 1) Even though paper is smooth, light still cannot be reflected by it.
- 2) All of these non-reflective materials absorb light while reflective materials reflect light.



Thank you for listening!

I hope you learned something about reflection. Remember, light doesn't reflect all materials, some of them can absorb it!



THANK
YOU