

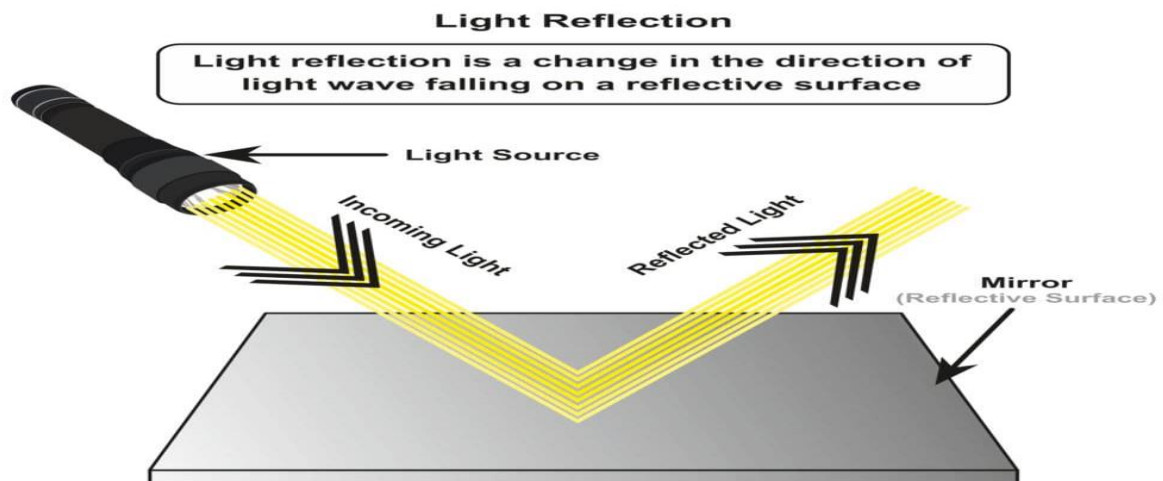


MINISTRY OF EDUCATION
GRADE THREE CONSOLIDATED WORKSHEET
SCIENCE
WEEK 17: LESSON 1
TOPIC: ENERGY- REFLECTION OF LIGHT

NAME _____ DATE _____

FACTS/ TIPS:

- Reflection occurs when light bounces off an object. When light from an object is reflected by a surface, it changes direction. It bounces off the surface at the same angle as it hits it.
- All objects reflect light. If they did not, we would not be able to see them.
- Smooth, shiny surfaces such as **mirrors** and polished metals reflect light well. Dull and dark surfaces such as dark fabrics do not reflect light well.



* The reflective surface is smooth and shiny such as glass and mirror

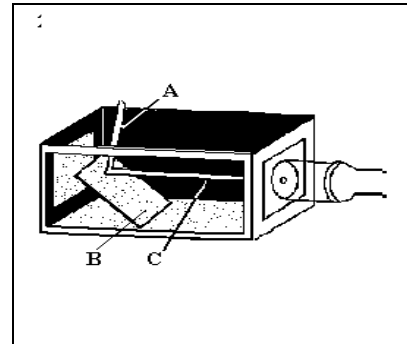
ON YOUR OWN:

Which materials reflect light?

Aim: To see what type of materials are best for reflecting light.

Equipment:

cardboard box (shoebox is ideal)
black paper or cardboard
torch/flashlight
modelling clay
plastic, wood, paper, cardboard, glass, metal, and cloth.

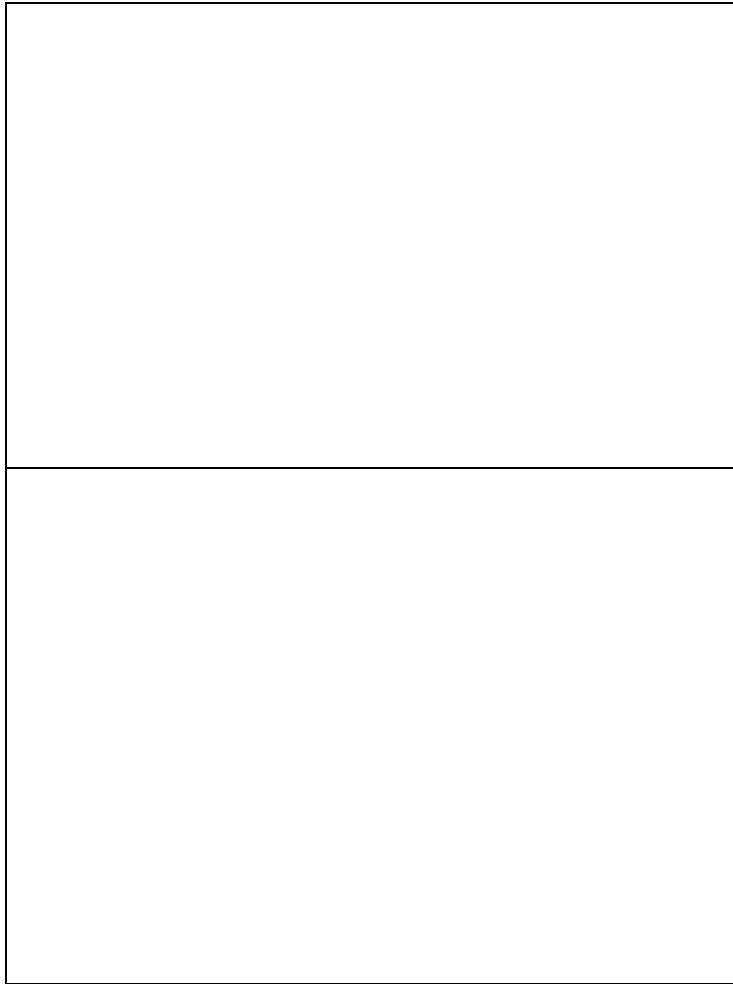


Method:

1. Paste the black cardboard/ paper inside of the box. Cut a slit in one end of the box to allow a narrow beam of light to shine through to the other side.
2. Place the box in a darkened room and turn on the torchlight. Describe the light you see. Is it straight? _____
3. Place the reflective object in front of the beam of light at the far end of the box. **What happens to the beam of light?** Try moving the object so the light hits it at a different angle. **What happens to the path of the light beam now?**
4. Try the other materials made from plastic, wood, paper, glass, metal, cloth. **Which one changes the path of the light?**
5. Record your answers.

HOMEWORK

Paste samples or draw two objects that best reflect light.

A large empty rectangular box divided into two horizontal sections, intended for pasting or drawing objects that reflect light.