

MISSION: LIGHT & SHADOW

Ball & Torch Experiment

Junior Rangers Science Lab

What you need:



A torch or flashlight



A ball (any round ball)



A dark room

Steps:

1. Find a dark room and hold the ball in one hand
2. Hold the torch in your other hand and shine it on the ball
3. Look at the ball carefully — one side is bright, one side is dark!
4. The bright side = DAY (the Sun is shining!)

The dark side = NIGHT (no sunlight reaches here!)
5. Now slowly rotate the ball. Watch how day and night move around!

What I observed:

Questions:

Which side of the ball had light on it? _____

Which side was dark? _____

What happened when you rotated the ball? _____

