

What should I already know?

- Light is needed in order to see things and that dark is the absence of light
- The idea that light is reflected from surfaces
- How light from the sun can be dangerous and that there are ways to protect their eyes
- Some common appliances that run on electricity
- How to construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- How to identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery

Vocabulary

Electricity Vocabulary

voltage:

negative terminal:

positive terminal:

resistance:

Light Vocabulary

absorb:

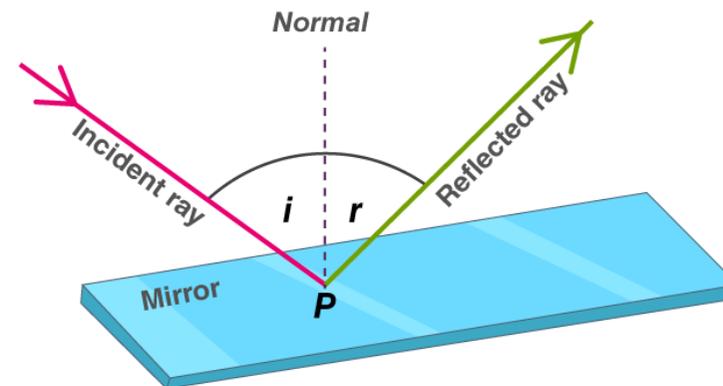
angle of incidence:

angle of reflection:

refraction:

spectrum:

Diagram



All Saints Academy Primary School

Theme: Light and Electricity

Year: Six

Subject: Science

| Q1) Increasing a circuits cells will: | Start of Unit: | End of Unit: |
|---------------------------------------|----------------|--------------|
| Increase circuit voltage | | |
| Decrease circuit voltage | | |
| Make a bulb shine weaker | | |

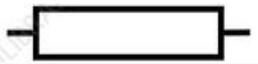
| Q5) Objects can be seen because: | Start of Unit: | End of Unit: |
|----------------------------------|----------------|--------------|
| They are sat in light | | |
| They absorb light | | |
| They reflect light | | |

| Q2) The purpose of a negative terminal is to: | Start of Unit: | End of Unit: |
|---|----------------|--------------|
| Allow electrons to flow from the negative terminal to the positive terminal to create a circuit | | |
| Allow voltage to flow through the circuit | | |
| Receive electrons flowing from the positive terminal | | |

| Q6) Which objects form shadows? | Start of Unit: | End of Unit: |
|---------------------------------|----------------|--------------|
| All objects | | |
| Objects that are opaque | | |
| Objects that reflect light | | |

| Q3) A battery cathode is: | Start of Unit: | End of Unit: |
|-------------------------------|----------------|--------------|
| A battery's positive terminal | | |
| A battery's negative terminal | | |
| A battery's electrodes | | |

| Q8) Reflected light will always be: | Start of Unit: | End of Unit: |
|---|----------------|--------------|
| Opposite to the incident ray | | |
| Perpendicular to the incident ray | | |
| The reflection of light | | |
| At an angle greater than the incident ray | | |

| Q4) Which symbol represents a 2 cell battery? | Start of Unit: | End of Unit: |
|---|----------------|--------------|
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