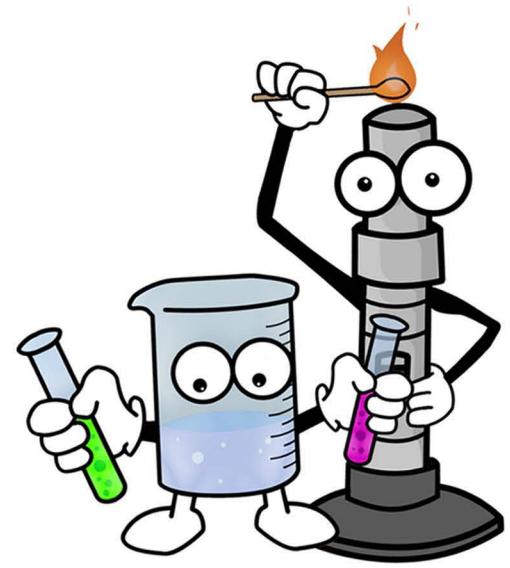


# Light and Shadows



01. What do we call a particle of light?

02. When you look in a mirror, why is it you can see your reflection?

03. True or False: Sound can travel faster than light.

04. List all the colours in the rainbow.

05. Why is black technically not a colour?

06. If the sun was behind you, where would your shadow be?

07. How are shadows formed?

08. Materials which light can't pass through are called what? Transparent, translucent or opaque?

09. Why does your shadow change position throughout the day?

10. True or False: Light travels in straight lines.

11. What is the technical term for the study of light?

12. What does the presence of Gravity do to a beam of light?

Answers: 1. A photon 2. The light reflects off the mirror into our eyes 3. False 4. Red, orange, yellow, green, blue, indigo and violet 5. Black is the absence of light and colour is simply different frequencies of light. 6. In front 7. When light is blocked by an opaque object. 8. Opaque 9. The position of the sun changes 10. True 11. Optics 12. Gravity bends the direction of light

Score:

/12