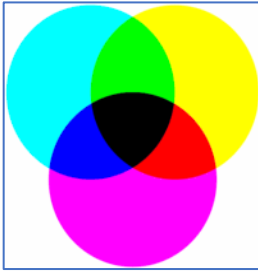


Solution: Chapter 2: Light and colour

The difference between object (e.g. watercolours) and light colour

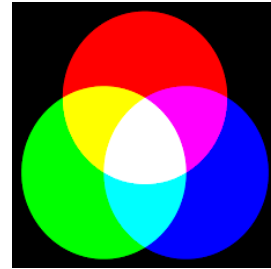
a. We mix object colours



Rule 1:

The more object colours are added together the darker the colour gets.
(*subtractive colour mixture*)

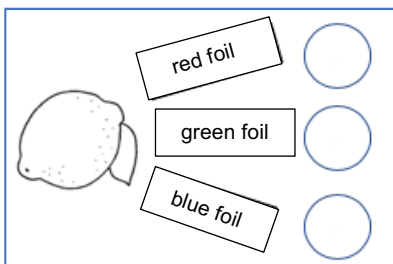
b. We mix light colours



Rule 2:

The more light colours are mixed together the lighter the mixture gets.
(*additive colour mixture*)

2. What happens after using coloured foil?

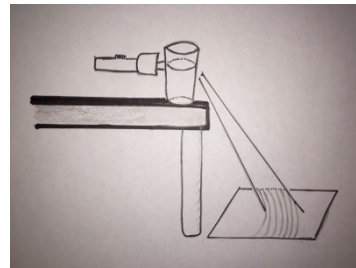


Rule 3:

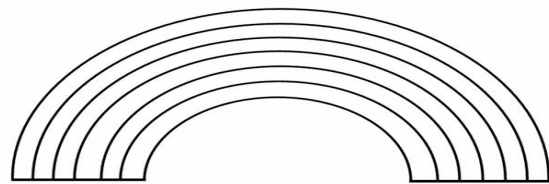
There are three possible outcomes when looking at objects through a coloured foil:

1. The colour stays the same or seems more intensive (stronger).
2. The colour changes.
3. No colour is visible anymore, the object seems nearly black.

3. We look at white light



Rule 4:



When white light (sunlight) is broken the individual colours become visible. In the rainbow we can see 6 (or 7) colours: **Red, orange, yellow, green, blue, (+indigo), violet**

Exercise: Cut out the pictures and glue them to the right rule box.