Chapter 2: Light and colour

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

<table>
<thead>
<tr>
<th>a. We mix object colours</th>
<th>b. We mix light colours</th>
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**Rule 1:**
The more object colours are added together the darker the colour gets. *(subtractive colour mixture)*

**Rule 2:**
The more light colours are mixed together the lighter the mixture gets. *(additive colour mixture)*

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<tr>
<th>2. What happens after using coloured foil?</th>
<th>3. We look at white light</th>
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**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.

**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.