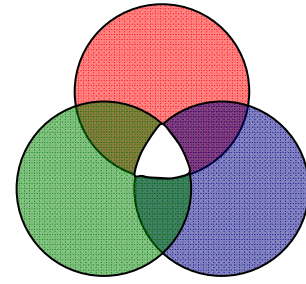
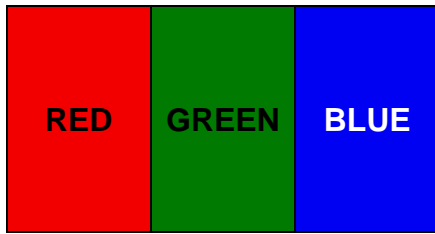


Color Worksheet



Fill in the blanks. (Some may require more than one color!)

1. Red light + blue light = Magenta
2. White light - red light = Cyan
3. White light - blue light = Yellow
4. Green light + blue light = Cyan
5. Green light + blue light + red light = White
6. Magenta light + cyan light = (R + B) + (B + G) = R + B + G = White
7. Magenta light + green light = (R + B) + G = White
8. Yellow paint absorbs Blue light.
9. A magenta filter absorbs Green light.
10. A cyan filter allows Green & Blue light to pass through it.
11. A piece of cyan paper illuminated with red light will look Black
12. A piece of magenta paper illuminated with red light will look Red
13. A piece of blue paper illuminated with red light will look Black
14. A piece of blue paper illuminated with yellow light will look Black
15. A cyan filter placed over a magenta filter allows Blue light to pass through it.
16. A red filter placed over a magenta filter allows Red light to pass through it.
17. A red filter placed over a cyan filter will allow No light to pass through it.
18. In order to get a true green color, an artist would mix C + Y paints.
19. In order to get a true red color, an artist would mix M + Y paints.
20. Magenta paint mixed with yellow and cyan paints produce. Black

Color Phun

The following symbols indicate the color of an object in white light.

Ⓜ	Ω	Λ	∞	♥	©	Σ	∅
red	blue	green	yellow	magenta	cyan	white	black

1. Write the color each of the following objects would appear in **green** light on the line below the object.

Ⓜ	Λ	∞	©	Σ
Black	Green	Green	Green	Green

2. Write the color each of the following objects would appear in **magenta** light on the line below the object.

∞	♥	∅	©	Λ
Red	Magenta	Black	Blue	Black

3. Write the color each of the following objects would appear in **yellow** light on the line below the object.

Σ	Ω	Ⓜ	♥	©
Yellow	Black	Red	Red	Green

4. Write the color each of the following objects would appear in **blue** light on the line below the object.

Λ	Ω	Ⓜ	♥	©
Black	Blue	Black	Blue	Blue

5. If you were jealous of your friend's dazzling new red sweater, how could you make it turn black at the dinner table by changing the light bulb? In other words, what color would the light bulb need to be? Explain your answer.

Blue, Green, or Cyan light will make the sweater look black because the sweater needs red light in order to reflect the red pigments in the sweater.