

NAME: _____

Date: _____

Worksheet 5A Colour of Objects: Subtractive Colour Theory (Nelson p.443-446)

1. Fill in the blanks. (Some key terms may be used twice)

primary colours of pigment
primary colours of light
subtracted
magenta
red

secondary colours of pigment
secondary colours of light
absorbs
black
green
cyan
yellow
blue

- a) _____ Colours that combine to produce all other colours of Pigment.
- b) _____ Colours that formed by mixing two primary colours of pigment.
- c) _____ A theory that non-luminous appear coloured because they absorb certain colours of light and reflect or transmit other colours of light.
- d) _____ All three primary colours are mixed together, the mixture absorbs all three primary colours of light.
- e) _____ magenta, cyan and yellow
- f) _____ red, green and blue
- g) When an object _____ a colour, it removes it from the beam of light. Therefore, you can say that the absorbed colour is _____ from the light.
- h) Three primary colours of pigment are _____, _____, _____.
- i) Three secondary colours of pigment are the same as _____, there are _____, _____, _____.

2. How can you “**subtract**” a colour from light?

A colour from light is subtracted when a colour is _____

3. What is the relationship between **primary colours of pigment** and **secondary colours of light**?
