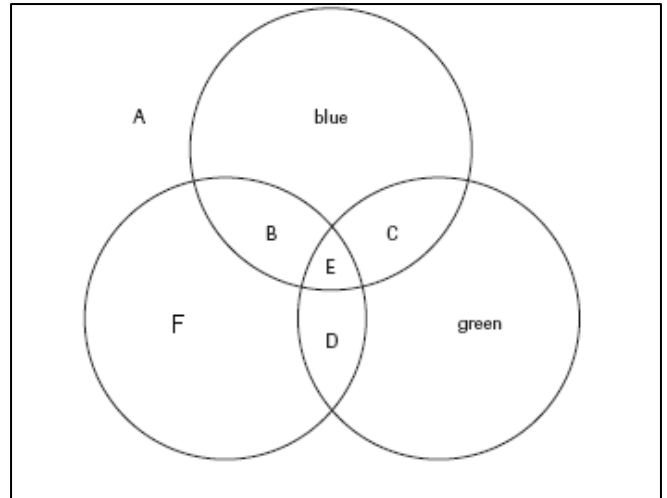


*In your textbook, read about the additive color by addition of light on pages 440–442 . The diagram represents three overlapping circles of equally intense light of different pure colors. Assume that the circles are projected onto a white screen in an otherwise completely dark room.*



1. What would region A be? Explain why.
2. What color would region B be?
3. What color would region C be?
4. What color would region D be?
5. What color would region E be?
6. What color would region F be?
7. Are red, blue, and green light primary or secondary colors?
8. Is the light in region C best described as a primary or secondary color?
9. Is the light in region D best described as a primary or secondary color?
10. The color in region B is the complement to which color?
11. The color in region C is the complement to which color?
12. The color in region D is the complement to which color?
13. What does a primary pigment absorb from white light?
14. What does a secondary pigment absorb from white light?
15. Is the absorption of light to form pigment colors an additive or subtractive process?
16. What colors are the three primary pigments?
17. What colors are the three secondary pigments?
18. What color(s) does yellow pigment absorb from light.
19. What color(s) does yellow pigment reflect?
20. What color(s) does red pigment absorb from light?
21. What is the complementary pigment to cyan pigment?
22. What color would result from mixing two complementary pigments?