I. Color Perception is Hard
Why is perceiving the true reflectance properties of an object difficult? Give some examples:

I.A Color Constancy
What is “color constancy”?

I.A.1 Chromatic Adaptation
What is chromatic adaptation?

How could it chromatic adaptation help produce color constancy?

What experimental evidence is there to support that color adaptation does in fact help to produce color constancy?

I.A.2 Effect of Surroundings
How does having objects with lots of different reflectance properties in view effect color constancy?
I.A.3 Memory and Color
What experimental evidence is there that demonstrates that knowing the typical colors of objects helps us to achieve color constancy?

I.B Lightness Constancy
What is “lightness constancy”?

I.B.1 Dark Adaptation
Can dark adaptation alone explain “lightness constancy”? Explain.

I.B.2 The Ratio Principle
What is the “ratio principle” and how can it help to produce lightness constancy?

I.B.3 Identifying Shadows
Why does replacing the “penumbra” of a shadow with a crisp border affect our perception of the lightness of area covered by the shadow?

I.B.3 Identifying Surface Orientation
How does identifying the 3 dimensional orientation of surfaces affect lightness perception?
II. Color and Language

II.A Universal Color Category Tendencies
How can you determine the color categories of a language?

How do the color categories of the Berinmo language differ from those of English?

While variation in color categories across languages are clearly possible, what universal tendencies in color categories were found by the World Color Survey?

What are some possible reasons for these universal tendencies?

II.B Does Language Change Color Cognition?
According to a strong version of Whorf’s “linguistic relativity hypothesis,“ how does language influence non-linguistic cognition?
What two tests of color cognition did Davidhoff and colleagues use to investigate the effects of linguistic color categories in Berinmo and English speakers?

According to their results, how do language categories appear to affect color cognition?