The Biology of Skin Colour

http://www.hhmi.org/biointeractive/biology-skin-color

1. What accounts for the variety of skin colour? 2. What determines which type of melanin we have? 3. What are the two types of melanin in our skin? 4. What is UV light? 5. What is the role of melanin in our skin cells? 6. Does UV radiation vary across the world? 7. Is there a connection between the intensity of UV radiation and skin colour? 8. Which gene is linked to pigmentation? 9. What does the gene MC1-R code for?

15. Currently, which phenotype would be at highest risk of skin cancer?

16. Currently, which phenotype is at risk of low Vitamin D synthesis?