

Applied Human Biology – *Activity 1*

DNA



https://youtu.be/0_b80fHmuWw

Watch the above video on DNA and answer the following questions:

1. What is the basic building block of all living organisms mentioned in the video transcript?
2. How is DNA structured and what are the components of a DNA molecule?
3. How does DNA dictate the form and function of different living things?
4. What role do proteins play in relation to DNA and gene expression?
5. What is a gene in the context of DNA and how is it related to protein production?
6. How do mutations in DNA gene sequences occur, and what effects can they have on an organism?
7. How do tiny changes in DNA gene sequences over millions of years contribute to the diversity among living organisms?

Extension: Watch this video to widen your knowledge on this subject:

<https://www.youtube.com/watch?v=XPDb8tqgfjY>