

SBI3U1

DNA MODEL PROJECT

- ★ Your assignment is to build a 3-D model of the DNA double helix. The model should be large and sturdy and made of non-perishable materials (ie. no jello, fruits, etc.).
- ★ The model must accurately and clearly show the following:
 - double helix structure
 - sugar-phosphate backbone
 - nitrogenous bases correctly bonding
 - at least 8 base-pairs long
- ★ Support your model on some kind of stand that is sturdy.
- ★ Models will be photographed and featured on the zeroBio website.
- ★ Grading (30 marks):
 - components all present (6)
 - components in proper locations/relationships (4)
 - components easily recognized or distinguished (4)
 - at least 8 base-pairs long (2)
 - double helix shape (3)
 - model large and on support stand (3)
 - student answers to questions (3)
 - creativity and effort (5)

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