

Play-Doh Models

Name: _____

Use notes and/or a textbook as a guide as you complete models of the following structures out of play-doh.
DO NOT MIX COLORS TO THE POINT THAT THEY CAN NOT BE SEPERATED!

Structure	Stamp
Nucleosome <ul style="list-style-type: none">• <i>Correct numbers of loops of DNA (details of DNA structure not required)</i>• <i>Correct number of histone proteins</i>• <i>At least 2 nucleosomes connected</i>	
DNA <ul style="list-style-type: none">• <i>Two strands</i>• <i>Alternating sugar/phosphate backbone (details of molecular structure not required)</i>• <i>A, T, C, G correctly paired (details of molecular structure not required)</i>• <i>At least 3 nucleotide pairs</i>	
Deoxyribose <ul style="list-style-type: none">• <i>A different color play-doh ball for each element found in deoxyribose</i>• <i>Toothpicks represent molecular bonds between atoms</i>• <i>Describe the numbering of the carbon atoms when asked</i>	

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