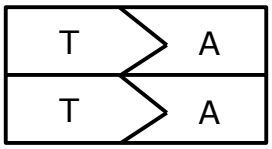
## KEY



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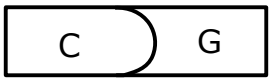

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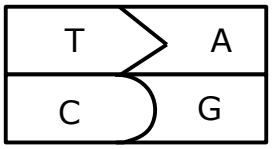

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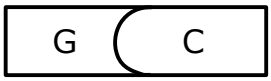

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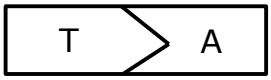

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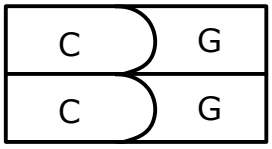

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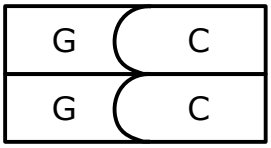

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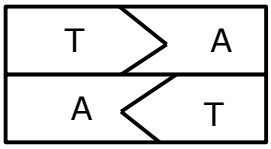

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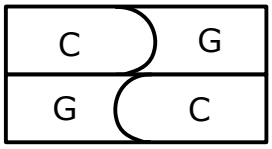

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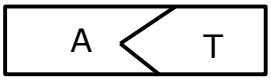
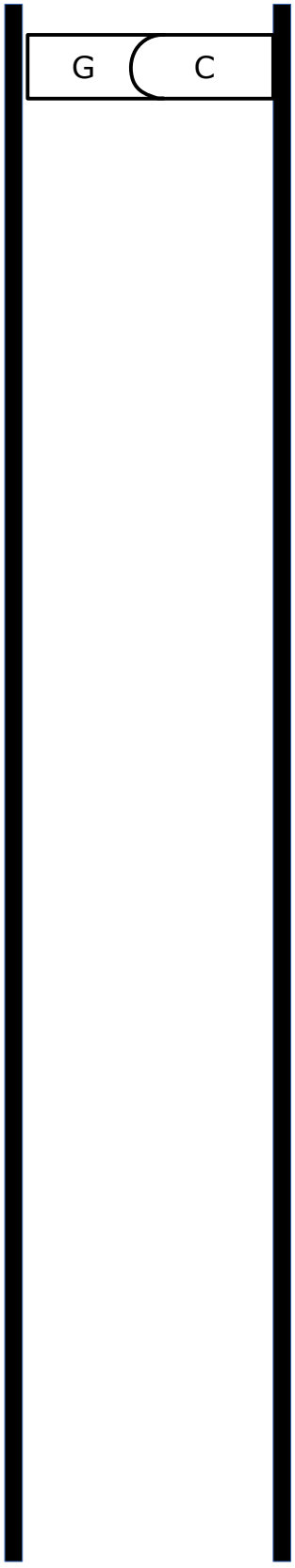


= V

**Use the key to "write" the phrase "*I LOVE GENETICS*"**



Name: _____ Block: _____ Date: _____

**DNA Model**

What is a DNA base?

What is a DNA base pair?

Model Directions:

Your task is to build a model of a DNA strand. The genetic code of the model will "spell" the phrase *I LOVE GENETICS*. Use the key to help you make the model. The model should be carefully constructed with the base pairs lining up precisely.

You will need the following:

A = ORANGE - 7 copies

T = GREEN - 7 copies

C = BLUE- 12 copies

G = PURPLE - 12 copies

Use the stencils in class to cut out all of the bases for your DNA. Be sure to write the correct letter on each base.

Partner Check:

When you have finished, have a student check that your DNA strand is accurate. They should fill out this section:

Your Name: _____

Is the genetic code correct? _____

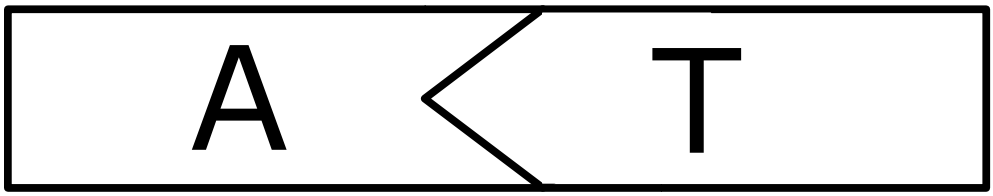
Suggestions for improvement:

Model Analysis – Rough Draft

1. How is this model SIMILAR TO an actual DNA strand? Include at least 3 ideas.

2. How is this model DIFFERENT THAN an actual DNA strand? Include at least 5 ideas.

3. How could we make this model more like actual DNA?


A
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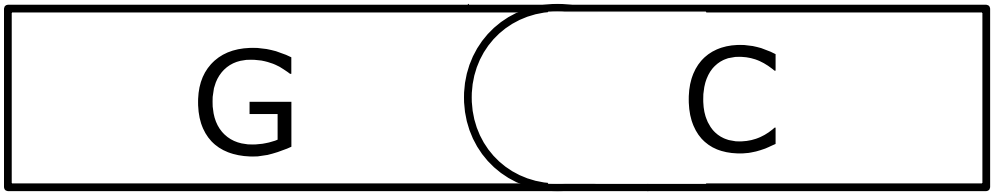
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