

Name: _____

Cloning 101

Go to this website:

<http://learn.genetics.utah.edu/content/cloning/whatiscloning/>

1. What is a clone?
2. What kind(s) of clones occur naturally? (without human intervention?)
3. Go back to "Cloning" in the top left then click on "Why Clone"
<http://learn.genetics.utah.edu/content/cloning/whyclone/>
Describe 3 ways cloning can be used:

4. Go back to "Home" and click on "Cloning Myths"
<http://learn.genetics.utah.edu/content/cloning/cloningmyths/>

Choose one common myth of common and describe in a complete sentence why that misconception may not be accurate:

The myth is:

The actual science is:

How Do Scientists Create Clones

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Directions: Run through this animation that describes a real example of how clones are created:

<http://learn.genetics.utah.edu/content/cloning/clickandclone/>

Using this animation, and other **credible** resources on the web, create an assignment that shows your understanding of **HOW Scientists create clones**. Choose one of the options below to display your learning, or see the teacher for an “other” idea.

Required Content:

1. The steps of cloning (with enough detail that someone who knows nothing about genetics could understand). Be sure to use your own words/artwork.
2. ****(Four Level Optional): As part of the required content, I can also explain an example of how scientists “cut” and “remove” a gene from DNA.

Options to Show my Learning



☐ **Picture with brief descriptions:** Create an image(s) that shows the process scientists follow to clone organisms.

☐ **Paragraphs:** Write a brief informative essay that describes the process scientists follow to clone organisms.

☐ **Recipe:** Pretend the process is a recipe, and write a recipe for another person to follow that describes the process scientists follow to clone organisms.

☐ **Other:** Have another way to show your learning? Check it and get approval from the teacher?

	4	3	2	1
Content	Student can accurately describe the process scientists use to remove a specific gene as part of an entire cloning process.	Student can describe/model the cloning process correctly with no major errors or things left out.	Student has one major error or thing left out in describing the cloning process.	Student has two or more major errors or things left out in describing the cloning process.