

NAME:

PERIOD:

DATE:

DNA-LIEN

Follow the directions:

1. Pick a partner with whom you will be successful. However, don't sit with that partner.
2. Pick one choice from each category below to make a DN A-lie for yourself.

Hair Color:	blue	yellow	brown	purple
Code for that hair:	AGTC	AAGC	TGGT	TGAA
Number of Eyes:	one eye	three eyes	six eyes	eight eyes
Code for # of eyes:	TGG	CTG	CGC	TAT
Body Shape:	blob	bowling pin	snake	humanoid
Code for body:	CCC	TCA	TCG	AGA
Tail (or No Tail)	short tail	no tail		long tail
Code for tail:	CCCTA	CACTG		GGAGA
Eye Color:	yellow	blue	red	brown
Code for eye color:	GTAC	TTAG	CATG	TTTT
Hands/Arms are:	claws	tentacles/suckers		giant hands
Code for Hand/Arm	CTT	GGG		TAA

3. Write out your DN A-lie's genetic code. Be sure to start and end the code with a 'nonsense code' and put one of the 'nonsense codes' in between each piece of real code.

The three “Nonsense” codes you can use are: UGA or UAG or UAA

Your piece of genetic code could look something like this:

Ex. UGAAGTCUAATGGUAGCCCUAGCACTGUAGGTACUAGTAAUAG

(That's a DN A-lien with blue hair, 1 eye, a blob body, etc.)



4. Give your DN A-lie's code to your partner, and take their code.
5. On a new piece of paper, draw and color a picture of your DN A-lie.
DO NOT SHOW YOUR PARTNER YOUR PICTURE! (YET...)
6. Figure out what your partner's DN A-lie looks like from their genetic code.
7. On the back of the paper you drew your DN A-lie on, draw a picture of their DN A-lie.
8. Get together with your partner and compare pictures. Did you break the code correctly? If you didn't figure out where the mistakes were made.

[illegible]