

Ve Genetics with a Smile

Name _____

Part A: Smiley Face Traits

(1) Obtain two coins from your teacher. Mark one coin with a OFO and the other with a OMO to represent each of the parents. The parents are heterozygous for all the Smiley Face traits.

(2) Flip the coins for parent for each trait. If the coin lands with heads up, it represents a dominant allele. A coin that lands tails up indicates a recessive allele. Record the result for each person by circling the correct letter. Use the results and the Smiley Face Traits page to determine the genotype and phenotype for each trait.

Trait	Female		Male		Genotype	Phenotype
Face Shape	C	c	Ⓒ	c	Cc	Circle
Eye Shape	E	e	Ⓔ	e	EE	Star
Hair Style	S	s	Ⓔ	s	Ss	Straight
Smile	T	t	T	Ⓣ	Tt	Thick
Ear Style	V	v	V	Ⓥ	Vv	Pointed
Nose Style	D	d	Ⓓ	d	Dd	Down
Face Color	Y	y	Y	Ⓨ	Yy	Yellow
Eye Color	B	b	B	Ⓑ	Bb	Blue
Hair Length	L	l	L	Ⓛ	Ll	Short
Freckles	F	f	F	Ⓕ	ff	Absent Freckles
Nose Color	R	Y	Ⓡ	Y	RR	Red
Ear Color	P	T	P	Ⓣ	PP	Hot Pink

Part B: Is it a boy or girl?

To determine the sex of your smiley face, flip the coin for the male parent. Heads would represent X, while tails would be Y.

	Female	Male	Genotype	Phenotype
Sex	X	X Y	XY	Male

Part C: Create Your Smiley Face!

Use the Smiley Face Traits chart and your results from Part A to create a sketch of your smiley face in the box. Once you have completed the sketch, use the drawing tools in Microsoft Word to create your smiley face!

Two things to remember ...

○ Do not add color on the computer! Print a black and white copy and then use crayons or colored pencils to finish it.

○ Don't forget to give your smiley face a name! You will also need to include your name as parent and your class hour.

Billy



Genetics With A Smile Answer Key

Anthony S. Fauci



Genetics With A Smile Answer Key:

Reviewing **Genetics With A Smile Answer Key**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is actually astonishing. Within the pages of "**Genetics With A Smile Answer Key**," an enthralling opus penned by a highly acclaimed wordsmith, readers set about an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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